

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	228	(514/280).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/08/22 11:06
L2	878	(514/410).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/08/22 11:06
L3	340	(546/48).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/08/22 11:06
L4	117	(548/418).CCLS.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2006/08/22 11:05
L5	7434	(carbazole)".CLM"	US-PGPUB	OR	ON	2006/08/22 11:07
L6	0	I5 and (dipyrrolo)".CLM"	US-PGPUB	OR	ON	2006/08/22 11:07
L7	74	I5 and (tetrone)".CLM"	US-PGPUB	OR	ON	2006/08/22 11:07

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1600RXA

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 5 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS 6 MAY 11 KOREAPAT updates resume
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and
USPATFULL/USPAT2
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 14 JUL 14 FSTA enhanced with Japanese patents
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:52:52 ON 21 AUG 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 09:53:03 ON 21 AUG 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 AUG 2006 HIGHEST RN 902860-89-3
DICTIONARY FILE UPDATES: 20 AUG 2006 HIGHEST RN 902860-89-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\QUERIES\10672418.str



ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 19 20 21 22

ring bonds :

1-2 1-6 1-13 2-3 2-15 3-4 3-7 4-5 4-9 5-6 5-10 6-12 7-8 8-9 10-11
11-12 13-14 14-15 14-19 15-22 19-20 20-21 21-22

exact/norm bonds :

1-2 1-6 1-13 2-3 2-15 3-4 3-7 4-5 4-9 5-6 5-10 6-12 7-8 8-9 10-11
11-12 13-14 14-15 14-19 15-22 19-20 20-21 21-22

isolated ring systems :
containing 1 :

G1:O,N,C

G2:C,N

Match level :

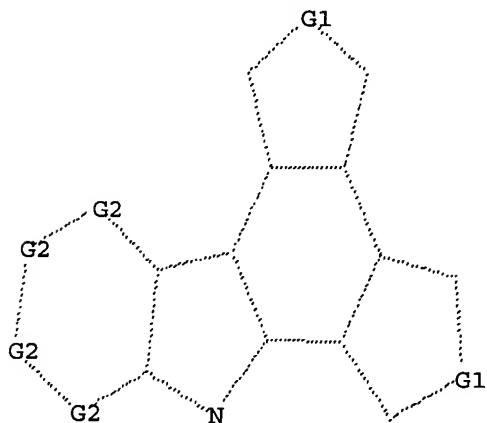
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 19:Atom 20:CLASS 21:CLASS 22:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 O,N,C

G2 C,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:53:34 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 6708 TO ITERATE

29.8% PROCESSED 2000 ITERATIONS

5 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 129250 TO 139070

PROJECTED ANSWERS: 90 TO 580

L2 5 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 09:53:38 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 134824 TO ITERATE

100.0% PROCESSED 134824 ITERATIONS

363 ANSWERS

SEARCH TIME: 00.00.01

L3. 363 SEA SSS FUL L1

=> s l3 and caplus/lc
 51757069 CAPLUS/LC

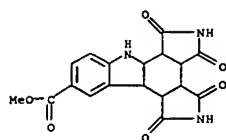
L4 336 L3 AND CAPLUS/LC

=> s l3 not l4

L5 27 L3 NOT L4

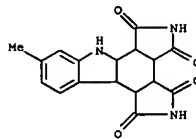
=> d l5 1-27

L5 ANSWER 1 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-35-8 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-c:3',4'-a]carbazole-10-carboxylic acid,
 2,3,3a,3b,4,5,6,6a,6b,7,11b,11c-dodecahydro-1,3,4,6-tetraoxo-, methyl
 ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C18 H15 N3 O6
 CI COM
 SR CA



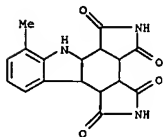
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 2 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-33-6 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
 3b,6a,6b,7,11b,11c-hexahydro-9-methyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H15 N3 O4
 CI COM
 SR CA



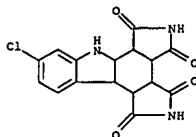
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 3 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-31-4 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
 3b,6a,6b,7,11b,11c-hexahydro-8-methyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H15 N3 O4
 CI COM
 SR CA



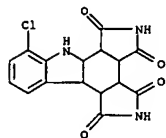
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 4 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-29-0 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
 9-chloro-3b,6a,6b,7,11b,11c-hexahydro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H12 Cl N3 O4
 CI COM
 SR CA



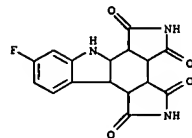
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 5 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-27-8 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
 8-chloro-3b,6a,6b,7,11b,11c-hexahydro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H12 Cl N3 O4
 CI COM
 SR CA



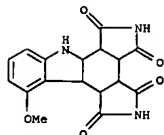
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 6 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-25-6 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
 9-fluoro-3b,6a,6b,7,11b,11c-hexahydro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H12 F N3 O4
 CI COM
 SR CA



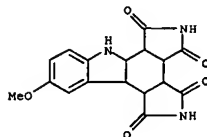
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 7 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-23-4 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
 3b,6a,6b,7,11b,11c-hexahydro-11-methoxy- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H15 N3 O5
 CI COM
 SR CA



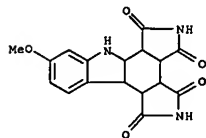
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 8 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-21-2 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
 3b,6a,6b,7,11b,11c-hexahydro-10-methoxy- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H15 N3 O5
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

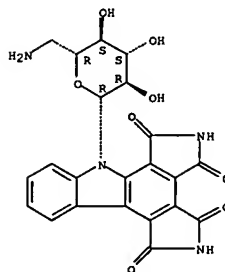
L5 ANSWER 9 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 886045-19-8 REGISTRY
 ED Entered STN: 30 May 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
 3b,6a,6b,7,11b,11c-hexahydro-9-methoxy- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H15 N3 O5
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

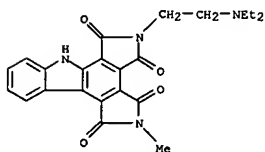
L5 ANSWER 10 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 877758-22-0 REGISTRY
 ED Entered STN: 22 Mar 2006
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone,
 7-(6-amino-6-deoxy-β-D-glucopyranosyl)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C22 H18 N4 O8
 CI COM
 SR CA

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

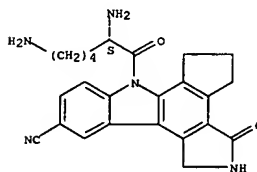
L5 ANSWER 11 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 791062-09-4 REGISTRY
 ED Entered STN: 01 Dec 2004
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone,
 5-[2-(diethylamino)ethyl]-2-methyl- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C23 H22 N4 O4
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

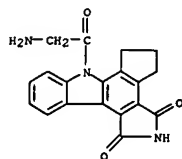
L5 ANSWER 12 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 790650-71-4 REGISTRY
 ED Entered STN: 30 Nov 2004
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carbonitrile,
 7-[(2S)-2,6-diamino-1-oxohexyl]-2,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C24 H25 N5 O2
 CI COM
 SR CA

Absolute stereochemistry.



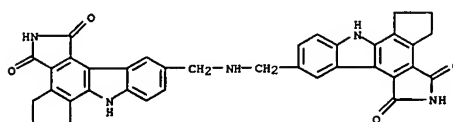
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 13 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 789481-85-2 REGISTRY
 ED Entered STN: 28 Nov 2004
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
 7-(aminoacetyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H15 N3 O3
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

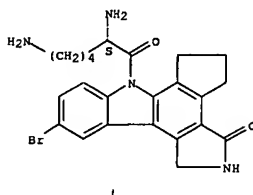
L5 ANSWER 14 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 785768-35-6 REGISTRY
 ED Entered STN: 22 Nov 2004
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
 10,10'-[iminobis(methylene)]bis[4,5,6,7-tetrahydro- (9CI) (CA INDEX
 NAME)
 FS 3D CONCORD
 MF C36 H27 N5 O4
 CI COM
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

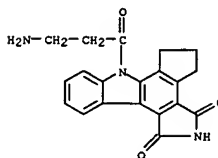
L5 ANSWER 15 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 783296-41-3 REGISTRY
 ED Entered STN: 18 Nov 2004
 CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one,
 10-bromo-7-[(2S)-2,6-diamino-1-oxohexyl]-1,2,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C23 H25 Br N4 O2
 CI COM
 SR CA

Absolute stereochemistry.



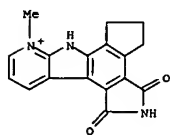
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 16 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 760165-40-0 REGISTRY
 ED Entered STN: 11 Oct 2004
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
 7-(3-amino-1-oxopropyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C20 H17 N3 O3
 CI COM
 SR CA

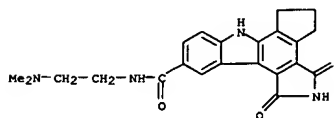


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 17 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 749200-06-4 REGISTRY
 ED Entered STN: 22 Sep 2004
 CN 1H-Cyclopenta[9]pyrido[2,3-b]pyrrolo[3,4-e]indolium,
 2,3,4,5,6,7-hexahydro-
 8-methyl-1,3-dioxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H14 N3 O2
 CI COM
 SR CA

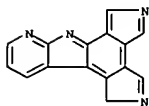


L5 ANSWER 18 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 708206-83-1 REGISTRY
 ED Entered STN: 11 Jul 2004
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 N-[2-(dimethylamino)ethyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA
 INDEX NAME)
 FS 3D CONCORD
 MF C22 H22 N4 O3
 CI COM
 SR CA



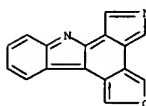
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 19 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 682352-38-1 REGISTRY
 ED Entered STN: 17 May 2004
 CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C15 H8 N4
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



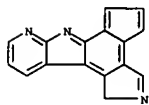
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 20 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 569361-56-4 REGISTRY
 ED Entered STN: 19 Aug 2003
 CN Furo[3,4-c]pyrrolo[3,4-a]carbazole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H8 N2 O
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



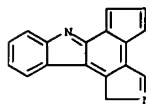
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 21 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 374642-04-3 REGISTRY
 ED Entered STN: 10 Dec 2001
 CN 1H-Cyclopenta[g]pyrido[2,3-b]pyrrolo[3,4-e]indole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H9 N3
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



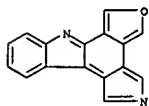
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 22 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 374641-55-1 REGISTRY
 ED Entered STN: 10 Dec 2001
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H10 N2
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



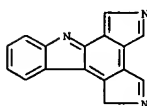
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 23 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 304856-10-8 REGISTRY
 ED Entered STN: 29 Nov 2000
 CN Puro[3,4-a]pyrrolo[3,4-c]carbazole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H8 N2 O
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



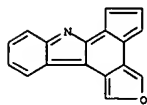
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 24 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 304678-15-7 REGISTRY
 ED Entered STN: 28 Nov 2000
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H9 N3
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



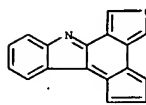
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 25 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 184843-85-4 REGISTRY
 ED Entered STN: 09 Jan 1997
 CN Cyclopenta[a]furo[3,4-c]carbazole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H9 N O
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



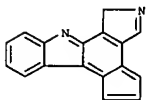
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 26 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 176948-41-7 REGISTRY
 ED Entered STN: 05 Jun 1996
 CN Cyclopenta[c]furo[3,4-a]carbazole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H9 N O
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 27 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 144903-12-8 REGISTRY
 ED Entered STN: 15 Dec 1992
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C17 H10 N2
 CI RPS
 SR CA Index Guide or Ring Systems Handbook



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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FULL ESTIMATED COST

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ENTRY	SESSION
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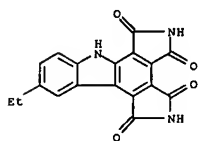
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L6 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2006:391516 CAPLUS
 DOCUMENT NUMBER: 145:20423
 TITLE: Synthesis and biological evaluation of new dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones, substituted with various saturated and unsaturated side chains via palladium catalyzed cross-coupling reactions
 AUTHOR(S): Henon, Helene; Anizon, Fabrice; Golsteyn, Roy M.; Leonce, Stephane; Hofmann, Robert; Pfeiffer, Bruno; Prudhomme, Michelle
 CORPORATE SOURCE: Laboratoire SEESIB, Universite Blaise Pascal, UMR 6504
 SOURCE: du CNRS, Aubiere, 63177, Fr. Bioorganic & Medicinal Chemistry (2006), 14(11), 3825-3834
 CODEN: BMECEP; ISSN: 0968-0896
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

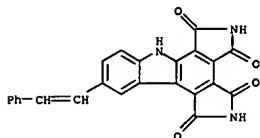
AB The syntheses of a series of dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones, substituted in 10-position with saturated and unsatd. side chains, via palladium catalyzed cross-coupling reactions, are described. These compds. can be considered as granulatinide bis-imide analogs. Their inhibitory activity toward Chk1 kinase and their antiproliferative activities in vitro in four tumor cell lines are reported.
 IT 889108-50-3P 889108-66-1P 889108-69-4P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (antitumor activity and Chk1 kinase inhibition by dipyrrolocarbazoletetraones)

RN 889108-50-3 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-ethyl- (9CI) (CA INDEX NAME)



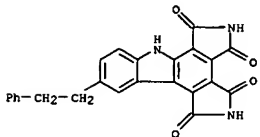
RN 889108-66-1 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-(3-hydroxypropyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



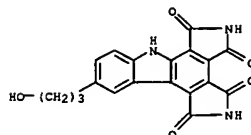
IT 889108-65-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (antitumor activity and Chk1 kinase inhibition by dipyrrolocarbazoletetraones)

RN 889108-65-0 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-(2-phenylethyl)- (9CI) (CA INDEX NAME)

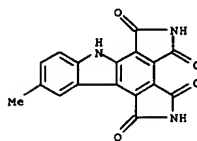


REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS
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L6 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

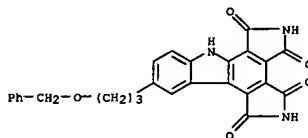


RN 889108-69-4 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-methyl- (9CI) (CA INDEX NAME)



IT 889108-62-7P 889108-63-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (antitumor activity and Chk1 kinase inhibition by dipyrrolocarbazoletetraones)

RN 889108-62-7 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-[3-(phenylmethoxy)propyl]- (9CI) (CA INDEX NAME)



RN 889108-63-8 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-(2-phenylethenyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

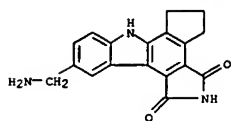
ACCESSION NUMBER: 2006:343963 CAPLUS
 DOCUMENT NUMBER: 144:363088
 TITLE: Use of parp-1 inhibitors for protecting tumoricidal lymphocytes from apoptosis
 INVENTOR(S): Hellstrand, Kristoffer; Hermodsson, Svante; Thoren, Fredrik; Romero, Ana
 PATENT ASSIGNEE(S): Maxim Pharmaceuticals, Inc., USA
 SOURCE: PCT Int. Appl., 42 pp.
 CODEN: PIXK2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006039545	A2	20060413	WO 2005-US35281	20050929
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 2006079510	A1	20060413	US 2005-240014	20050929
PRIORITY APPL. INFO.:			US 2004-614841P	P 20040930

AB Method and composition for protecting tumoricidal lymphocytes including cytotoxic lymphocytes and NK cells from apoptosis and down regulation are provided. The method and composition include the administration of an effective amount of a PARP-1 inhibitor to a population of cytotoxic T lymphocytes and NK cells in the presence of monocytes or macrophages. In some embodiments, the method and composition addnl. include the administration of a reactive oxygen metabolite (ROM) production or release inhibitory compound. Methods of treating cancer, viral diseases, and inflammatory diseases with a PARP-1 inhibitor are likewise provided.

IT 609848-02-4, CEP 6800
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (use of parp-1 inhibitors for protecting tumoricidal lymphocytes from apoptosis)

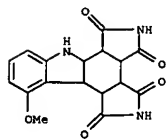
RN 609848-02-4 CAPLUS
 CN 1H-Cyclopenta[alpyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-(aminomethyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



RN 886045-24-5 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro-11-methoxy- (9CI) (CA INDEX NAME)

CM 1

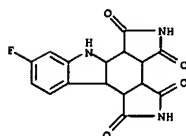
CRN 886045-23-4
CMF C17 H15 N3 O5



RN 886045-26-7 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
9-fluoro-3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro- (9CI) (CA INDEX NAME)

CM 1

CRN 886045-25-6
CMF C16 H12 F N3 O4



RN 886045-28-9 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
8-chloro-3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro- (9CI) (CA INDEX NAME)

ACCESSION NUMBER: 2006:220113 CAPLUS
DOCUMENT NUMBER: 144:450833

TITLE: Expedited synthesis of substituted
dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6-tetraones
structurally related to Granulatimide

AUTHOR(S): Henon, Helene; Anizon, Fabrice; Kucharczyk, Nathalie;
Loynel, Armelle; Casara, Patrick; Pfeiffer, Bruno;
Prudhomme, Michelle

CORPORATE SOURCE: Laboratoire SEESIB, Universite Blaise Pascal,
Aubiere,

63177, Fr.

SOURCE: Synthesis (2006), (4), 711-715
CODEN: SYNTBF; ISSN: 0039-7881

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6-tetraones can be considered as
Granulatimide analogs. In view of structure-activity relationship

studies in these series, a parallel liquid-phase microwave-assisted synthesis was
developed to generate a small library of compds. bearing various

substituents at positions 8, 9, 10, or 11 on the aromatic framework.

IT 886045-20-1P 886045-22-3P 886045-24-5P

886045-26-7P 886045-28-9P 886045-30-3P

886045-32-5P 886045-34-7P 886045-36-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

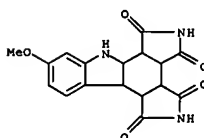
(synthesis of substituted dipyrrolocarbazotetraones as Granulatimide
analog under microwave irradiation)

RN 886045-20-1 CAPLUS

CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro-9-methoxy- (9CI) (CA INDEX NAME)

CM 1

CRN 886045-19-8
CMF C17 H15 N3 O5

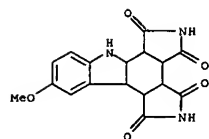


RN 886045-22-3 CAPLUS

CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro-10-methoxy- (9CI) (CA INDEX NAME)

CM 1

CRN 886045-21-2
CMF C17 H15 N3 O5



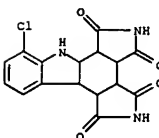
RN 886045-24-5 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro-11-methoxy- (9CI) (CA INDEX NAME)

CM 1

CRN 886045-23-4
CMF C17 H15 N3 O5

CM 1

CRN 886045-27-8
CMF C16 H12 Cl N3 O4

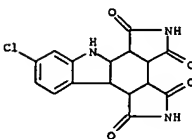


RN 886045-30-3 CAPLUS

CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
9-chloro-3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro- (9CI) (CA INDEX NAME)

CM 1

CRN 886045-29-0
CMF C16 H12 Cl N3 O4

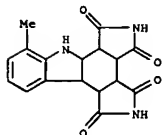


RN 886045-32-5 CAPLUS

CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,
3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro-8-methyl- (9CI) (CA INDEX NAME)

CM 1

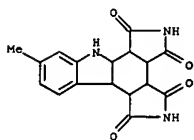
CRN 886045-31-4
CMF C17 H15 N3 O4



RN 886045-34-7 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H)-tetrone, 3b,6a,6b,7(or 3b,6a,7,11c)-tetrahydro-9-methyl- (9CI) (CA INDEX NAME)

CM 1

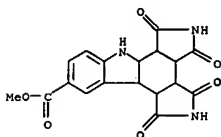
CRN 886045-33-6
CMF C17 H15 N3 O4



RN 886045-36-9 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-10-carboxylic acid, 2,3,3a,3b,4,5,6,6a,6b,7(or 2,3,3a,3b,4,5,6,6a,7,11c)-decahydro-1,3,4,6-tetraoxo-, methyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 886045-35-8
CMF C18 H15 N3 O6

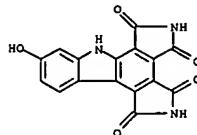


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885320-72-9P 885320-73-0P 885320-74-1P

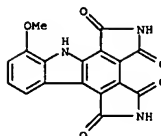
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885320-78-5P 885320-79-6P 885320-80-9P
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885320-84-3P 885320-85-4P 885320-86-5P
885320-87-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of substituted dipyrrolocarbazotetraones as Granulatimide analog under microwave irradiation.)

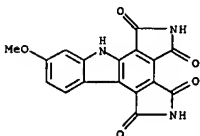
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CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 9-hydroxy- (9CI) (CA INDEX NAME)



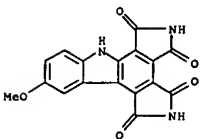
RN 885320-69-4 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 8-methoxy- (9CI) (CA INDEX NAME)



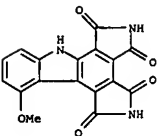
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CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 9-methoxy- (9CI) (CA INDEX NAME)



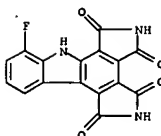
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CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-methoxy- (9CI) (CA INDEX NAME)



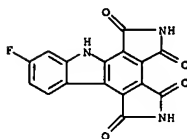
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CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 11-methoxy- (9CI) (CA INDEX NAME)



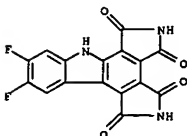
RN 885320-74-1 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 8-fluoro- (9CI) (CA INDEX NAME)



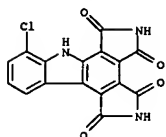
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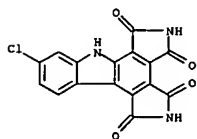
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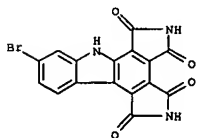
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CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 8-chloro- (9CI) (CA INDEX NAME)



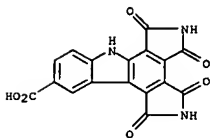
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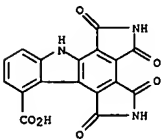
RN 885320-79-6 CAPLUS
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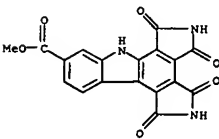
RN 885320-80-9 CAPLUS
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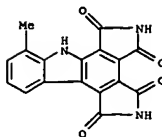
RN 885320-84-3 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-11-carboxylic acid, 2,3,4,5,6,7-hexahydro-1,3,4,6-tetraoxo- (9CI) (CA INDEX NAME)



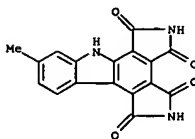
RN 885320-85-4 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-9-carboxylic acid, 2,3,4,5,6,7-hexahydro-1,3,4,6-tetraoxo-, methyl ester (9CI) (CA INDEX NAME)



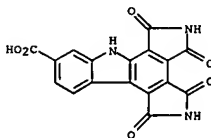
RN 885320-86-5 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-10-carboxylic acid, 2,3,4,5,6,7-hexahydro-1,3,4,6-tetraoxo-, methyl ester (9CI) (CA INDEX NAME)



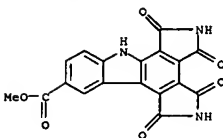
RN 885320-81-0 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 9-methyl- (9CI) (CA INDEX NAME)



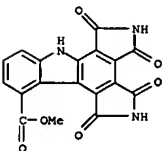
RN 885320-82-1 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-9-carboxylic acid, 2,3,4,5,6,7-hexahydro-1,3,4,6-tetraoxo- (9CI) (CA INDEX NAME)



RN 885320-83-2 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-10-carboxylic acid, 2,3,4,5,6,7-hexahydro-1,3,4,6-tetraoxo- (9CI) (CA INDEX NAME)



RN 885320-87-6 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-11-carboxylic acid, 2,3,4,5,6,7-hexahydro-1,3,4,6-tetraoxo-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L6 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:87881 CAPLUS

DOCUMENT NUMBER: 144:331303

TITLE: Synthesis and structure-activity relationships of novel pyrrolocarbazole lactam analogs as potent and cell-permeable inhibitors of poly(ADP-ribose)polymerase-1 (PARP-1)

AUTHOR(S): Wells, Gregory J.; Bihovsky, Ron; Hudkins, Robert L.; Ator, Mark A.; Husten, Jean

CORPORATE SOURCE: Cephalon, Inc., West Chester, PA, 19380-4245, USA

SOURCE: Bioorganic & Medicinal Chemistry Letters (2006),

16(5), 1151-1155

CODEN: BMCLD8; ISSN: 0960-894X

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB A series of novel pyrrolocarbazole lactams was identified as potent

PARP-1

inhibitors in vitro and in a PC12 cellular NAD⁺ depletion assay. The SAR trends of substituents at the 3-position, as well as the effect of blocking the indole or lactam NH-groups of the template by methylation or formylation, are discussed in relation to mol. modeling studies.

IT 374069-53-1P 374070-77-6P 374070-78-7P

374070-79-8P 374070-80-1P 374070-82-3P

374071-05-3P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

(preparation and structure-activity relationships of

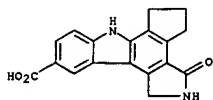
pyrrolocarbazoles as

potent and cell-permeable inhibitors of poly(ADP-ribose)polymerase-1)

RN 374069-53-1 CAPLUS

CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxylic acid,

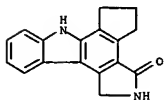
2,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)



RN 374070-77-6 CAPLUS

CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro- (9CI)

(CA INDEX NAME)



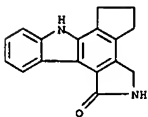
RN 374070-78-7 CAPLUS

L6 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 374071-05-3 CAPLUS

CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-1-one, 2,3,4,5,6,7-hexahydro- (9CI)

(CA INDEX NAME)



IT 374069-18-8P 374069-52-0P 374069-54-2P

374069-55-3P 374069-56-4P 374069-57-5P

374069-58-6P 374069-60-0P 374070-81-2P

374070-88-9P 773046-80-3P 880469-27-2P

880469-34-1P 880469-36-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

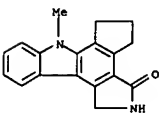
(preparation and structure-activity relationships of

pyrrolocarbazoles as

potent and cell-permeable inhibitors of poly(ADP-ribose)polymerase-1)

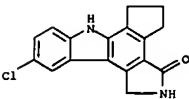
RN 374069-18-8 CAPLUS

CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro-7-methyl- (9CI) (CA INDEX NAME)



RN 374069-52-0 CAPLUS

CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 10-chloro-1,2,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)

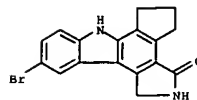


RN 374069-54-2 CAPLUS

CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxylic acid, 2,3,4,5,6,7-hexahydro-3-oxo-, methyl ester (9CI) (CA INDEX NAME)

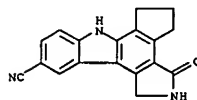
L6 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 10-bromo-1,2,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)



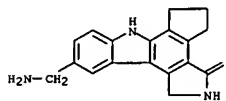
RN 374070-79-8 CAPLUS

CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carbonitrile, 2,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)



RN 374070-80-1 CAPLUS

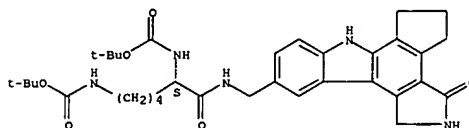
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 10-(aminomethyl)-1,2,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)



RN 374070-82-3 CAPLUS

CN Carbamic acid, [(1S)-1-[[[(2,3,4,5,6,7-hexahydro-3-oxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]carbonyl]-1,5-pentanediy]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

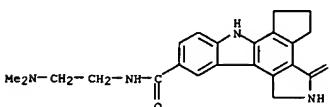
Absolute stereochemistry.



L6 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

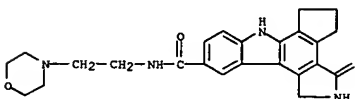
RN 374069-55-3 CAPLUS

CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, N-[2-(dimethylamino)ethyl]-2,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)



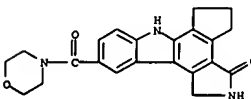
RN 374069-56-4 CAPLUS

CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, 2,3,4,5,6,7-hexahydro-N-[2-(4-morpholinyl)ethyl]-3-oxo- (9CI) (CA INDEX NAME)



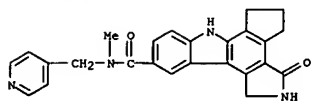
RN 374069-57-5 CAPLUS

CN Morpholine, 4-[(2,3,4,5,6,7-hexahydro-3-oxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)carbonyl]- (9CI) (CA INDEX NAME)

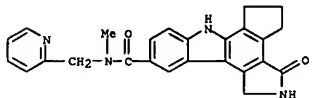


RN 374069-58-6 CAPLUS

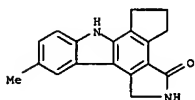
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, 2,3,4,5,6,7-hexahydro-N-methyl-3-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



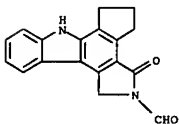
RN 374069-60-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, 2,3,4,5,6,7-hexahydro-N-methyl-3-oxo-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



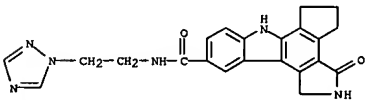
RN 374070-81-2 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro-10-methyl- (9CI) (CA INDEX NAME)



RN 374070-88-9 CAPLUS
CN 2H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-2-carboxaldehyde, 1,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)

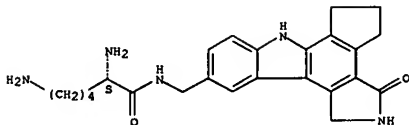


RN 773046-80-3 CAPLUS
CN Hexanamide, 2,6-diamino-N-[(2,3,4,5,6,7-hexahydro-3-oxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]-, (2S)- (9CI) (CA INDEX NAME)

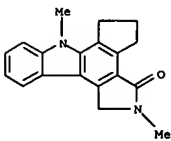


REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

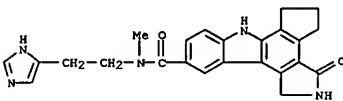
Absolute stereochemistry.



RN 880469-27-2 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro-2,7-dimethyl- (9CI) (CA INDEX NAME)

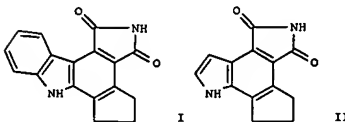


RN 880469-34-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, 2,3,4,5,6,7-hexahydro-N-methyl-3-oxo-N-(2-imidazol-4-yl)ethyl- (9CI) (CA INDEX NAME)

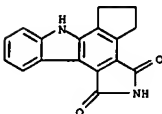


RN 880469-36-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, 2,3,4,5,6,7-hexahydro-3-oxo-N-(2-imidazol-4-yl)ethyl- (9CI) (CA INDEX NAME)

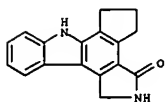
ACCESSION NUMBER: 2006:16614 CAPLUS
DOCUMENT NUMBER: 144:274161
TITLE: Synthesis and structure-activity relationships of novel poly(ADP-ribose) polymerase-1 inhibitors
AUTHOR(S): Tao, Ming; Park, Chung Ho; Bihovsky, Ron; Wells, Gregory J.; Husten, Jean; Ator, Mark A.; Hudkins, Robert L.
CORPORATE SOURCE: Cephalon, Inc., West Chester, PA, 19380-4245, USA
SOURCE: Bioorg. Med. Chem. Lett. (2006), 16(4), 938-942
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



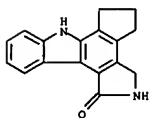
AB A series of novel pyrrolo[3,4-c]carbazoles was synthesized as potential PARP-1 inhibitors. Pyrrolo[3,4-c]carbazole I was identified as a potent PARP-1 inhibitor (IC₅₀ = 36 nM) from our internal database. Synthesis of analogs around this template with the aid of modeling studies led to the identification of the truncated imide II. Compound II (IC₅₀ = 40 nM), with deleted B-ring, was found to be an equipotent PARP-1 inhibitor.
IT 374068-99-2P 374070-77-6P 374071-05-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of pyrrolo[3,4-c]carbazoles as poly(ADP-ribose) polymerase-1 (PARP-1) inhibitors)
RN 374068-99-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



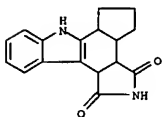
RN 374070-77-6 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro- (9CI)



RN 374071-05-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-1-one, 2,3,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)

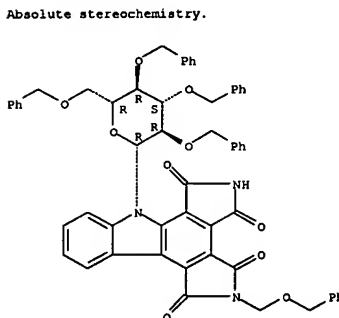


IT 374071-61-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrrolocarbazoles as poly(ADP-ribose) polymerase-1 (PARP-1) inhibitors)
RN 374071-61-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-1,3(2H)-dione, 3a,3b,4,5,6,6a,7,11c-octahydro- (9CI) (CA INDEX NAME)



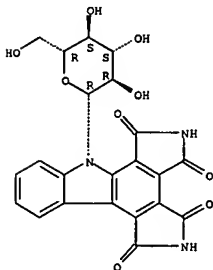
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L6 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2006:16304 CAPLUS
DOCUMENT NUMBER: 144:274481
TITLE: Synthesis of dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones bearing a sugar moiety
AUTHOR(S): Henon, Helene; Anizon, Fabrice; Pfeiffer, Bruno; Prudhomme, Michelle
CORPORATE SOURCE: Laboratoire SEESIB, Universite Blaise Pascal, UMR 6504
SOURCE: du CNRS, Aubiere, 63177, Fr. Tetrahedron (2006), 62(6), 1116-1123
CODEN: TETRAH; ISSN: 0040-4020
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 144:274481
AB The synthesis of a series of dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones, structurally related to the G2 check-point inhibitor granulatimide and bearing a sugar moiety, is described. Substitutions were carried out at the 6-position of the glycosyl unit to lead to an amino substituent as observed in many biol. active compds. such as anthracyclins or staurosporines.
IT 877610-66-7P 877610-67-8P 877610-69-0P 877610-70-3P 877610-72-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis of dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones bearing a sugar moiety via [2+4]-cycloaddn. reaction)
RN 877610-66-7 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2-[(phenylmethoxy)methyl]-7-[2,3,4,6-tetrakis-O-(phenylmethyl)-β-D-glucopyranosyl]- (9CI) (CA INDEX NAME)



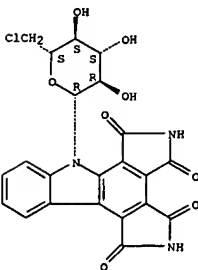
RN 877610-67-8 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 7-β-D-glucopyranosyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



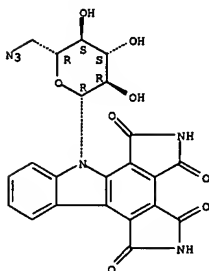
RN 877610-69-0 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 7-(6-chloro-6-deoxy-β-D-glucopyranosyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



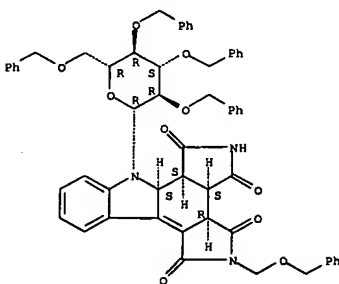
RN 877610-70-3 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 7-(6-azido-6-deoxy-β-D-glucopyranosyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 877610-72-5 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 3b,6a,6b,7-tetrahydro-2-[(phenylmethoxy)methyl]-7-[2,3,4,6-tetrakis-O-(phenylmethyl)-β-D-glucopyranosyl]-, (3aR,3bS,6aS,6bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

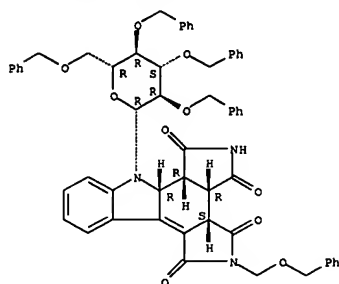


IT 877610-65-6P 877610-68-9P 877610-71-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones bearing a sugar moiety via [2+4]-cycloaddn. reaction)

RN 877610-65-6 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 3b,6a,6b,7-tetrahydro-2-[(phenylmethoxy)methyl]-7-[2,3,4,6-tetrakis-O-

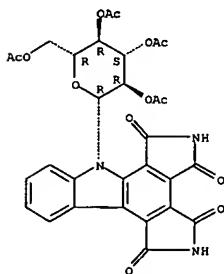
L6 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 (phenylmethyl)- β -D-glucopyranosyl)-, (3aS,3bR,6aR,6bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 877610-68-9 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 7-(2,3,4,6-tetra-O-acetyl-beta-D-glucopyranosyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 877610-71-4 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 7-(6-amino-6-deoxy-beta-D-glucopyranosyl)-, monohydrochloride (9CI) (CA INDEX NAME)

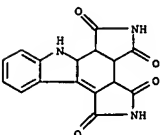
Absolute stereochemistry.

L6 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:411294 CAPLUS
 DOCUMENT NUMBER: 143:97555
 TITLE: Synthesis of granulatimide bis-imide analogues
 AUTHOR(S): Henon, Helene; Messaoudi, Samir; Hugon, Bernadette; Anizon, Fabrice; Pfeiffer, Bruno; Prudhomme, Michelle
 CORPORATE SOURCE: Laboratoire SEESIB, UMR 6504 du CNRS, Universite Blaise Pascal, Aubiere, 63177, Fr.
 SOURCE: Tetrahedron (2005), 61(23), 5599-5614
 CODEN: TETRAH; ISSN: 0040-4020
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English

AB The synthesis of dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones, structurally related to granulatimide is reported. These compds. can be considered as granulatimide analogs in which a maleimide heterocycle replaces the imidazole moiety. The synthesis of pyridino[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6-tetraones is also reported. In these compds., a 7-azaindole unit replaces the indole moiety present in the granulatimide and isogranulatimide structures.

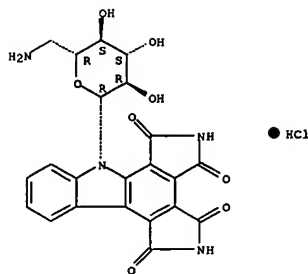
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 856414-04-5P 856414-06-7P 856414-08-9P
 856414-11-4P 856414-12-5P 856414-13-6P
 856414-19-2P 856414-25-OP 856414-26-1P
 856414-27-2P 856414-28-3P 856414-29-4P
 856414-30-7P 856414-32-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (synthesis of dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones as granulatimide bis-imide analogs)

RN 568545-12-0 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,6b,7-tetrahydro- (9CI) (CA INDEX NAME)



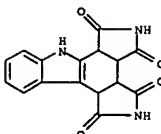
RN 568545-13-1 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,7,11c-tetrahydro- (9CI) (CA INDEX NAME)

L6 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

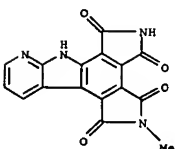


REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

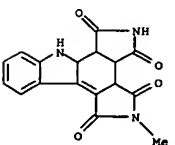
L6 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



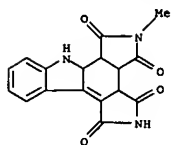
RN 681162-71-0 CAPLUS
 CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,5H,7H)-tetrone, 2-methyl- (9CI) (CA INDEX NAME)



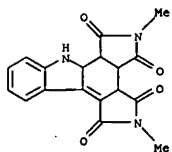
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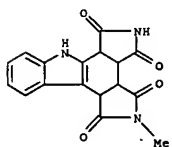
RN 856414-06-7 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,5,7(2H,3aH,5H)-tetrone, 3b,6a,6b,7-tetrahydro-5-methyl- (9CI) (CA INDEX NAME)



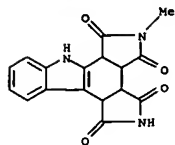
RN 856414-08-9 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,6b,7-tetrahydro-2,5-dimethyl- (9CI) (CA INDEX NAME)



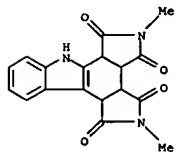
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CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,7,11c-tetrahydro-2-methyl- (9CI) (CA INDEX NAME)



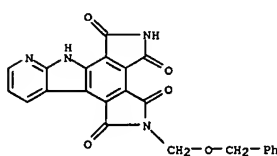
RN 856414-12-5 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,7,11c-tetrahydro-5-methyl- (9CI) (CA INDEX NAME)



RN 856414-13-6 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,7,11c-tetrahydro-2,5-dimethyl- (9CI) (CA INDEX NAME)

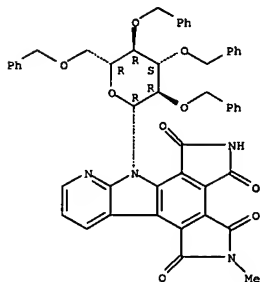


RN 856414-19-2 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,5H,7H)-tetrone, 2-(phenylmethoxy)methyl- (9CI) (CA INDEX NAME)



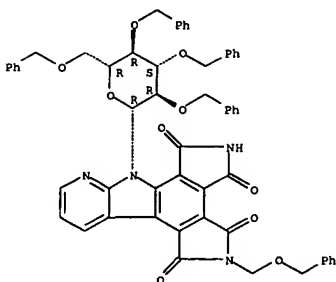
RN 856414-25-0 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,5H,7H)-tetrone, 2-methyl-7-[(2,3,4,6-tetrakis-O-(phenylmethyl)-β-D-glucopyranosyl)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



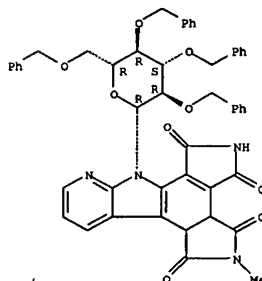
RN 856414-26-1 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,5H,7H)-tetrone, 2-(phenylmethoxy)methyl-7-[(2,3,4,6-tetrakis-O-(phenylmethyl)-β-D-glucopyranosyl)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



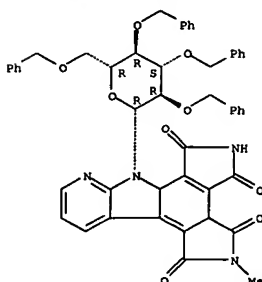
RN 856414-27-2 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,3aH,5H)-tetrone, 7,11c-dihydro-2-methyl-7-[(2,3,4,6-tetrakis-O-(phenylmethyl)-β-D-glucopyranosyl)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



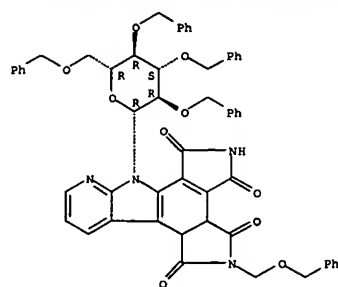
RN 856414-28-3 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,3aH,5H)-tetrone, 6b,7-dihydro-2-methyl-7-[(2,3,4,6-tetrakis-O-(phenylmethyl)-β-D-glucopyranosyl)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



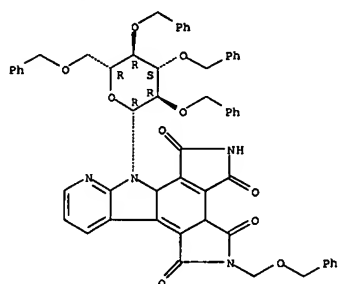
RN 856414-29-4 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,3aH,5H)-tetrone, 7,11c-dihydro-2-[(phenylmethoxy)methyl]-7-[(2,3,4,6-tetrakis-O-(phenylmethyl)-β-D-glucopyranosyl)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



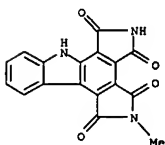
RN 856414-30-7 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,3aH,5H)-tetrone, 6b,7-dihydro-2-[(phenylmethoxy)methyl]-7-[2,3,4,6-tetrakis-O-(phenylmethyl)-β-D-glucopyranosyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

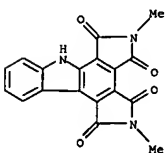


RN 856414-32-9 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-g:3',4'-e]indole-1,3,4,6(2H,5H,7H)-tetrone, 7-β-D-glucopyranosyl-2-(hydroxymethyl)- (9CI) (CA INDEX NAME)

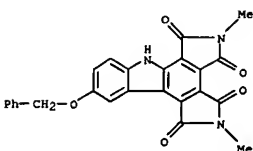
Absolute stereochemistry.



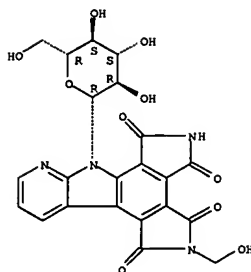
RN 568545-16-4 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2,5-dimethyl- (9CI) (CA INDEX NAME)



RN 568545-17-5 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2,5-dimethyl-10-(phenylmethoxy)- (9CI) (CA INDEX NAME)

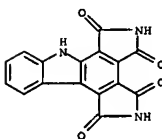


RN 568545-18-6 CAPLUS
CN Furo[3,4-c]pyrrolo[3,4-a]carbazole-1,3,4,6(5H,7H)-tetrone, 5-methyl- (9CI) (CA INDEX NAME)

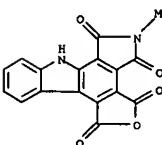


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681162-81-2P 681162-83-4P 681162-85-6P
681162-87-8P 681162-89-0P 856414-16-9P
856414-20-5P 856414-31-8P 856414-33-0P
RL: SPH (Synthetic preparation); PREP (Preparation)
(synthesis of dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6-tetraones as granulatimide bis-imide analogs)

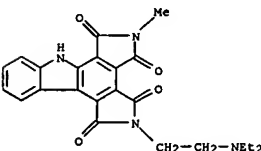
RN 568545-14-2 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone (9CI) (CA INDEX NAME)



RN 568545-15-3 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2-methyl- (9CI) (CA INDEX NAME)

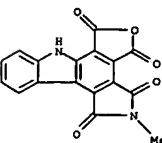


RN 568545-19-7 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2-[2-(diethylamino)ethyl]-5-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

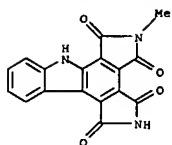


● HCl

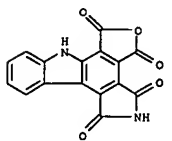
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CN Furo[3,4-a]pyrrolo[3,4-c]carbazole-1,3,4,6(2H,7H)-tetrone, 2-methyl- (9CI) (CA INDEX NAME)



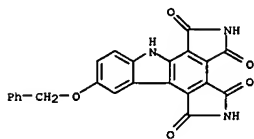
RN 681162-77-6 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 5-methyl- (9CI) (CA INDEX NAME)



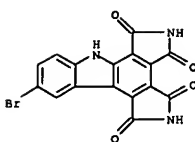
RN 681162-79-8 CAPLUS
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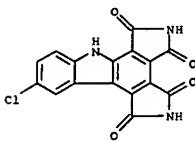
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CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-(phenylmethoxy)- (9CI) (CA INDEX NAME)



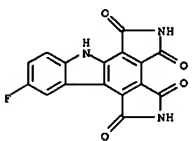
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CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-bromo- (9CI) (CA INDEX NAME)



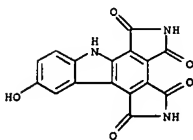
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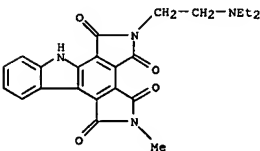
RN 681162-87-8 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-fluoro- (9CI) (CA INDEX NAME)



RN 681162-89-0 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-hydroxy- (9CI) (CA INDEX NAME)

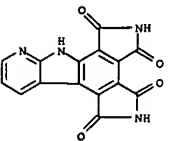


RN 856414-16-9 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 5-[2-(diethylamino)ethyl]-2-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



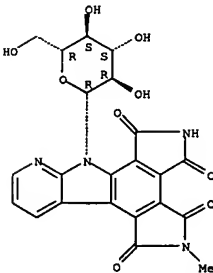
• HCl

RN 856414-20-5 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,5H,7H)-tetrone (9CI) (CA INDEX NAME)



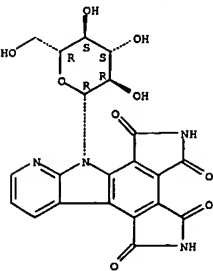
RN 856414-31-8 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,5H,7H)-tetrone, 7-β-D-glucopyranosyl-2-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 856414-33-0 CAPLUS
CN 1H-Pyrido[2,3-b]dipyrrolo[3,4-e:3',4'-g]indole-1,3,4,6(2H,5H,7H)-tetrone, 7-β-D-glucopyranosyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 29
THIS
FORMAT

THERE ARE 29 CITED REFERENCES AVAILABLE FOR
RECORD. ALL CITATIONS AVAILABLE IN THE RE

L6 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN

ACCESSION NUMBER: 2004:326182 CAPLUS

DOCUMENT NUMBER: 140:339315

TITLE: New anticancer bis-fused [3,4-a:3,4-c]carbazole derivatives, process for their preparation, and pharmaceutical compositions containing them

INVENTOR(S):

Frudhomme, Michelle; Hugon, Bernadette; Anizon, Fabrice; Hickman, John; Pierre, Alain; Golsteyn, Roy; Renard, Pierre; Pfeiffer, Bruno

PATENT ASSIGNEE(S):

Les Laboratoires Servier, Fr.

SOURCE:

Eur. Pat. Appl., 42 pp.

DOCUMENT TYPE:

Patent

LANGUAGE:

French

FAMILY ACC. NUM. COUNT: 1

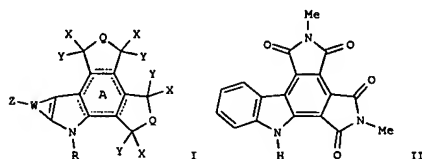
PATENT INFORMATION:

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FR 2845996	A1	20040423	FR 2002-12847	20021016
US 2004077672	A1	20040422	US 2003-672418	20030926
AT 294181	E	20050515	AT 2003-292545	20031014
ES 2240927	T3	20051016	ES 2003-3292545	20031014
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KR 2004034472	A	20040428	KR 2003-71768	20031015
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NZ 528902	A	20040924	NZ 2003-528902	20031015
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ZA 2003080853	A	20040708	ZA 2003-8053	20031016
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PRIORITY APPL. INFO.:			FR 2002-12847	A 20021016

OTHER SOURCE(S):

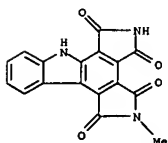
MARPAT 140:339315

GI

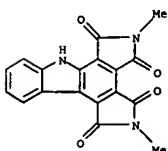


AB Title compds. I are disclosed [wherein: ring A is (un)saturated or (non)aromatic; W = atoms to form benzo or pyrido fusion; Z = H or wide variety of monovalent groups or (m)ethylenedioxy; Q = (independently) O or (un)substituted NH; X = (independently) H, OH, SH, (un)branched alkoxy or alkythio; Y = (independently) H or XY = (independently) :O or :S; R = H, (un)substituted (un)branched alkyl, (un)substituted tetrahydropyranyl,

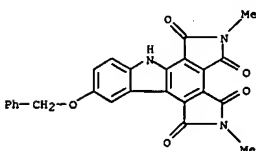
L6 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



RN 568545-16-4 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2,5-dimethyl- (9CI) (CA INDEX NAME)



RN 568545-17-5 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2,5-dimethyl-10-(phenylmethoxy)- (9CI) (CA INDEX NAME)



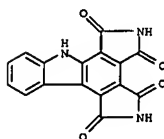
RN 568545-18-6 CAPLUS
CN Furo[3,4-c]pyrrolo[3,4-a]carbazole-1,3,4,6(5H,7H)-tetrone, 5-methyl- (9CI) (CA INDEX NAME)

L6 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

esp. carbohydrates; including stereoisomers and salts; with 4 specific exceptions). Over 50 compds. I are named, and approx. 16 are given with phys. data. For instance, cycloaddn. of 3-(1H-indol-3-yl)-1-methyl-1H-pyrrole-2,5-dione with N-methylmaleimide in refluxing p-xylene gave an isomeric mixt. of products, which was treated with CF3CO2H in refluxing dioxane for 84 h to give example compd. II. This compd. had anticancer activity (IC50) against 3 cell lines in vitro as follows: murine leukemia L1210: 6.8 µM; human lung cancer A549: 4.7 µM, and prostate cancer DU145: 5.4 µM.

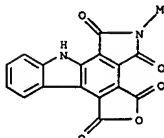
IT 568545-14-2P, 1H-Dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 568545-15-3P, 2-Methyl-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 568545-16-4P, 2,5-Dimethyl-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 568545-17-5P, 10-(Benzyloxy)-2,5-dimethyl-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 568545-18-6P, 5-Methylfuro[3,4-c]pyrrolo[3,4-a]carbazole-1,3,4,6(2H,5H,7H)-tetrone 568545-19-7P, 2-[2-(Diethylamino)ethyl]-5-methyl-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone hydrochloride 681162-71-0P, 2-Methyl-1H-pyrrolo[2,3-b]dipyrrolo[3,4-a:3,4-g]indole-1,3,4,6(2H,5H,7H)-tetrone 681162-73-2P, 2-Methylfuro[3,4-a]pyrrolo[3,4-c]carbazole-1,3,4,6(2H,7H)-tetrone 681162-75-4P, 5-[2-(Diethylamino)ethyl]-2-methyl-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone hydrochloride 681162-77-6P, 5-Methyl-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 681162-79-8P, Furo[3,4-a]pyrrolo[3,4-c]carbazole-1,3,4,6(2H,7H)-tetrone 681162-81-2P, 10-(Benzyloxy)-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 681162-83-4P, 10-Bromo-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 681162-85-6P, 10-Chloro-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 681162-87-8P, 10-Fluoro-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 681162-89-0P, 10-Hydroxy-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone 681162-91-4P, 2-[2-(Diethylamino)ethyl]-5-methyl-1H-dipyrrolo[3,4-a:3,4-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone (9CI) (CA INDEX NAME)

derivs. 1.
RN 568545-14-2 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone (9CI) (CA INDEX NAME)

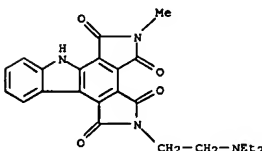


RN 568545-15-3 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2-methyl- (9CI) (CA INDEX NAME)

L6 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

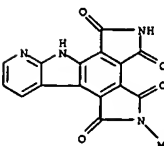


RN 568545-19-7 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2-[2-(diethylamino)ethyl]-5-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

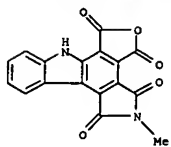


● HCl

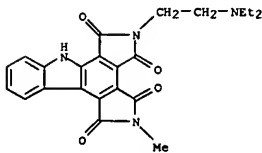
RN 681162-71-0 CAPLUS
CN 1H-Pyrrolo[2,3-b]dipyrrolo[3,4-a:3',4'-g]indole-1,3,4,6(2H,5H,7H)-tetrone, 2-methyl- (9CI) (CA INDEX NAME)



RN 681162-73-2 CAPLUS
CN Furo[3,4-a]pyrrolo[3,4-c]carbazole-1,3,4,6(2H,7H)-tetrone, 2-methyl- (9CI) (CA INDEX NAME)

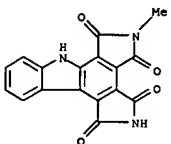


RN 681162-75-4 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 5-[2-(diethylamino)ethyl]-2-methyl-, hydrochloride (9CI) (CA INDEX NAME)

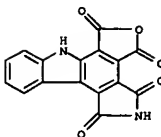


• x HCl

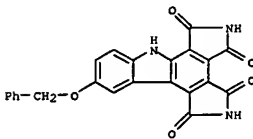
RN 681162-77-6 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 5-methyl-, 10-chloro- (9CI) (CA INDEX NAME)



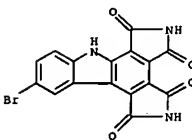
RN 681162-79-8 CAPLUS
CN Furo[3,4-a]pyrrolo[3,4-c]carbazole-1,3,4,6(2H,7H)-tetrone (9CI) (CA INDEX NAME)



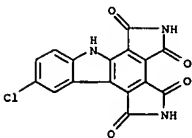
RN 681162-81-2 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-(phenylmethoxy)- (9CI) (CA INDEX NAME)



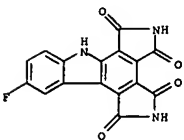
RN 681162-83-4 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-bromo- (9CI) (CA INDEX NAME)



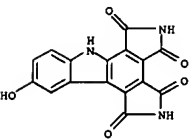
RN 681162-85-6 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-chloro- (9CI) (CA INDEX NAME)



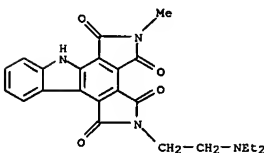
RN 681162-87-8 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-fluoro- (9CI) (CA INDEX NAME)



RN 681162-89-0 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 10-hydroxy- (9CI) (CA INDEX NAME)

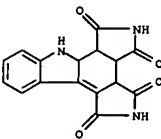


RN 681162-91-4 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2-(2-(diethylamino)ethyl)-5-methyl-, 10-hydroxy- (9CI) (CA INDEX NAME)



IT 568545-12-0, 3b, 6a, 6b, 7-Tetrahydro-1H-dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone
RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; preparation of anticancer bis-fused carbazole

derivs.)
RN 568545-12-0 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b, 6a, 6b, 7-tetrahydro- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:388778 CAPLUS
DOCUMENT NUMBER: 139:285858

TITLE: Chemopotentiation of temozolomide, irinotecan, and cisplatin activity by CEP-6800, a poly(ADP-ribose) polymerase inhibitor
AUTHOR(S): Miknyoczki, Sheila J.; Jones-Bolin, Susan; Pritchard, Sonya; Hunter, Kathryn; Zhao, Hugh; Wan, Weihua; Ator, Mark; Bihovsky, Ronald; Hudkins, Robert; Chatterjee, Sankar; Klein-Szanto, Andres; Dionne, Craig; Ruggeri, Bruce

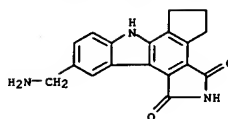
CORPORATE SOURCE: Cephalon, Inc., West Chester, PA, 19380, USA
SOURCE: Molecular Cancer Therapeutics (2003), 2(4), 371-382
CODEN: MCTOCF; ISSN: 1535-7163
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Poly(ADP-ribose) polymerase 1 (PARP-1) is a nuclear zinc finger DNA-binding protein that is implicated in the repair of DNA damage. Inhibition of PARP-1 through genetic knockouts causes cells to become hypersensitive to various chemotherapeutic agents. We tested the chemopotentiating ability of the PARP-1 inhibitor, CEP-6800, when used in combination with temozolomide (TMZ), irinotecan (camptothecin or SN38), and cisplatin against U251MG glioblastoma, HT29 colon carcinoma, and Calu-6 non-small cell lung carcinoma xenografts and cell lines, resp. Exposure of tumor cells to TMZ, camptothecin (or SN38), and cisplatin before, or in the presence of, CEP-6800 significantly increased the onset and the magnitude of DNA damage, the duration for cells to effect repair, and the onset, duration, or fraction of cells arrested at the G2/M boundary. In addition, in vivo biochem. efficacy studies with CEP-6800 showed that it was able to attenuate irinotecan- and TMZ-induced poly(ADP-ribose) accumulation in LoVo and HT29 xenografts, resp. Treatment of CEP 6800 (30 mg/kg) with TMZ (17 and 34 mg/kg) resulted in 100% complete regression of U251MG tumors by day 28 vs. 60% complete regression caused by TMZ alone. CEP-6800 (30 mg/kg) in combination with irinotecan (10 mg/kg) resulted in a 60% inhibition of HT29 tumor growth vs. irinotecan alone by day 33. The combination therapy of cisplatin (5 mg/kg) with CEP-6800 (30 mg/kg) caused a 35% reduction in Calu-6 tumor growth vs. cisplatin alone by day 28. These data suggest that CEP-6800 could be used as a chemopotentiating agent with a variety of clin. effective chemotherapeutic agents.

IT 609848-02-4, CEP 6800
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (chemopotentiating of temozolomide, irinotecan, and cisplatin activity by CEP-6800)

RN 609848-02-4 CAPLUS
CN 1H-Cyclopenta[*a*]pyrrolo[3,4-*c*]carbazole-1,3(2H)-dione, 10-(aminomethyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

L6 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



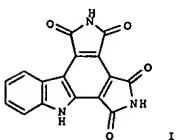
REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L6 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:325880 CAPLUS
DOCUMENT NUMBER: 139:133708

TITLE: Synthesis of granulatinimide analogs bearing a maleimide instead of an imidazole heterocycle
AUTHOR(S): Hugon, Bernadette; Ffelffer, Bruno; Renard, Pierre; Prudhomme, Michelle
CORPORATE SOURCE: Synthese et Etude de Systemes a Interet Biologique, Universite Blaise Pascal, UMR 6504 du CNRS, Aubiere, 63177, Fr.

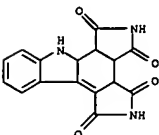
SOURCE: Tetrahedron Letters (2003), 44(20), 3935-3937
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:133708
GI



AB A synthesis in a few steps of a new family of granulatinimide analogs was performed. In the new compds., the aromatic framework of granulatinimide is modified by replacement of the imidazole unit by a maleimide moiety, e.g. I. The synthesis of a water-soluble analog is also presented.

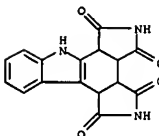
IT 568545-12-0P 568545-13-1P 568545-18-6P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (synthesis of granulatinimide analogs bearing a maleimide instead of an imidazole heterocycle)

RN 568545-12-0 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,6b,7-tetrahydro- (9CI) (CA INDEX NAME)

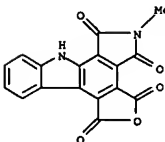


RN 568545-13-1 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,

L6 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
3b,6a,7,11c-tetrahydro- (9CI) (CA INDEX NAME)

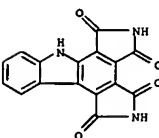


RN 568545-18-6 CAPLUS
CN Furo[3,4-*c*]pyrrolo[3,4-*a*]carbazole-1,3,4,6(5H,7H)-tetrone, 5-methyl- (9CI) (CA INDEX NAME)

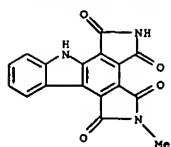


IT 568545-14-2P 568545-15-3P 568545-16-4P
568545-17-5P 568545-19-7P
RL: SPN (Synthetic preparation); PREP (Preparation) (synthesis of granulatinimide analogs bearing a maleimide instead of an imidazole heterocycle)

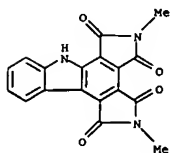
RN 568545-14-2 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone (9CI) (CA INDEX NAME)



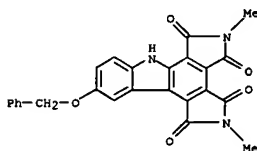
RN 568545-15-3 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone, 2-methyl- (9CI) (CA INDEX NAME)



RN 568545-16-4 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone,
2,5-dimethyl- (9CI) (CA INDEX NAME)

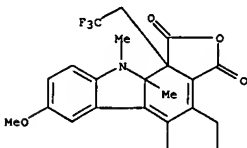


RN 568545-17-5 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone,
2,5-dimethyl-10-(phenylmethoxy)- (9CI) (CA INDEX NAME)

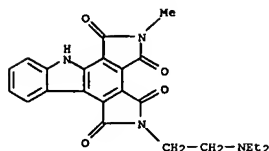


RN 568545-19-7 CAPLUS
CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,5H,7H)-tetrone,
2-[2-(diethylamino)ethyl]-5-methyl-, monohydrochloride (9CI) (CA INDEX NAME)

ACCESSION NUMBER: 2003:260667 CAPLUS
DOCUMENT NUMBER: 139:102411
TITLE: Thermolysis of fluorinated cycloalkylidene fulgides yields a new class of photochromic compounds
AUTHOR(S): Wolak, Mason A.; Gillespie, Nathan B.; Birge, Robert R.; Lees, Watson J.
CORPORATE SOURCE: Department of Chemistry and W. M. Keck Center for Molecular Electronics, Syracuse University, New York, USA
SOURCE: Chemical Communications (Cambridge, United Kingdom) (2003), (8), 992-993
CODEN: CHCOFS; ISSN: 1359-7345
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 139:102411
AB A series of fluorinated cycloalkylidene indolylfulgides has been designed, synthesized and characterized; most of the thermolysis products of these fulgides maintain photochromicity and display outstanding thermal and photochem. stability.
IT 557055-93-3P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(thermolysis of fluorinated cycloalkylidene indolylfulgides to give photochromic compds.)
RN 557055-93-3 CAPLUS
CN Cyclopenta[c]furo[3,4-a]carbazole-1,3-dione,
4,5,6,11,11a,11b-hexahydro-8-methoxy-11,11a-dimethyl-11b-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE



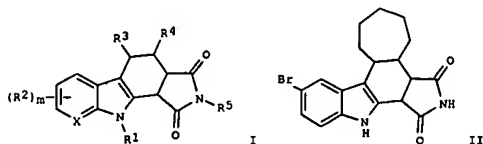
● HCl

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

ACCESSION NUMBER: 2002:240776 CAPLUS
DOCUMENT NUMBER: 136:279439
TITLE: Preparation of tetrahydrocarbazoles as antimicrobial active ingredients
INVENTOR(S): Haap, Wolfgang; Mehlin, Andreas; Petzold, Karin; Ochs,
Dietmar; Hoelzl, Werner
PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
SOURCE: PCT Int. Appl., 75 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002024699	A1	20020328	WO 2001-EP10479	20010911
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
TW 220429	B1	20040821	TW 2001-90121145	20010828
AU 2002014977	A5	20020402	AU 2002-14977	20010911
EP 1319006	A1	20030618	EP 2001-983479	20010911
EP 1319006	B1	20041117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
AT 282620	E	20041215	AT 2001-983479	20010911
ES 2231564	T3	20050516	ES 2001-1983479	20010911
US 2004097535	A1	20040520	US 2003-380573	20030313
US 6967215	B2	20051122		
PRIORITY APPLN. INFO.:			EP 2000-810844	A 20000918
			CH 2001-843	A 20010509
			WO 2001-EP10479	W 20010911

OTHER SOURCE(S): MARPAT 136:279439
GI



AB Tetrahydrocarbazoles, e.g. of formula I [R1 = H, alkyl, cycloalkyl, acyl, SO2-alkyl, alkoxy, etc.; R2 = H, OH, alkyl, cycloalkyl, alkoxy, halo, CN, etc.; R3, R4 = H, alkyl; R3R4 = alkylene, etc.; R5 = H, OH, alkyl, alkoxy, cycloalkyl, alkenyl, halo, carboxy, etc.; X = CH, N; m = 1-3], are prepared

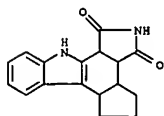
The compds. are suitable as antimicrobial active ingredients in personal care preps., textile fiber materials, plastics, paper, cleaning formulations, and also medicaments for the treatment of bacterial infections. Cosmetic compns. and a cleaning preparation containing I are described. Thus, II was prepared and had an MIC of 5.0 ppm against *Staphylococcus aureus* ATCC 9144.

IT 144078-21-7P 405234-99-3P 405235-04-3P
405235-13-4P 405235-22-5P 405235-27-0P
405235-42-9P 405235-49-6P 405235-65-6P
405235-93-0P 405236-17-1P 405236-33-1P
405236-43-3P 405236-53-5P 405236-61-5P
405236-71-7P 405236-79-5P 405236-89-7P
405236-97-7P 405237-08-3P 405237-16-3P
40521-52-0P

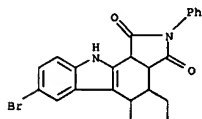
RL: BSU (Biological study, unclassified); COS (Cosmetic use); NUU (Other use, unclassified); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of tetrahydrocarbazoles as antimicrobial active ingredients)

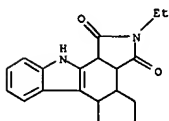
RN 144078-21-7 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
3a,3b,4,5,6,6a,11,11b-octahydro- (9CI) (CA INDEX NAME)



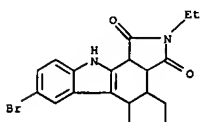
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CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
8-bromo-3a,3b,4,5,6,6a,11,11b-octahydro-2-phenyl- (9CI) (CA INDEX NAME)



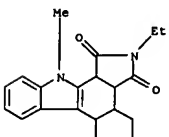
RN 405235-04-3 CAPLUS



RN 405235-42-9 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
8-bromo-2-ethyl-3a,3b,4,5,6,6a,11,11b-octahydro- (9CI) (CA INDEX NAME)

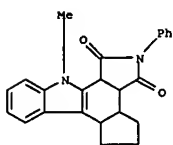


RN 405235-49-6 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
2-ethyl-3a,3b,4,5,6,6a,11,11b-octahydro-11-methyl- (9CI) (CA INDEX NAME)

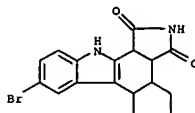


RN 405235-65-6 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
6-hexyl-3a,3b,4,5,6,6a,11,11b-octahydro- (9CI) (CA INDEX NAME)

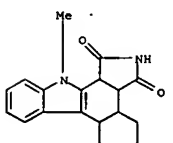
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
3a,3b,4,5,6,6a,11,11b-octahydro-11-methyl-2-phenyl- (9CI) (CA INDEX NAME)



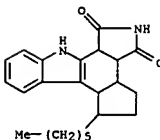
RN 405235-13-4 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
8-bromo-3a,3b,4,5,6,6a,11,11b-octahydro- (9CI) (CA INDEX NAME)



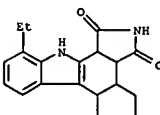
RN 405235-22-5 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
3a,3b,4,5,6,6a,11,11b-octahydro-11-methyl- (9CI) (CA INDEX NAME)



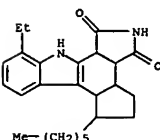
RN 405235-27-0 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
2-ethyl-3a,3b,4,5,6,6a,11,11b-octahydro- (9CI) (CA INDEX NAME)



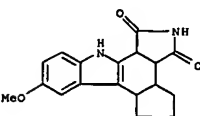
RN 405235-93-0 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
10-ethyl-3a,3b,4,5,6,6a,11,11b-octahydro- (9CI) (CA INDEX NAME)



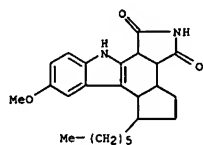
RN 405236-17-1 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
10-ethyl-6-hexyl-3a,3b,4,5,6,6a,11,11b-octahydro- (9CI) (CA INDEX NAME)



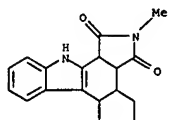
RN 405236-33-1 CAPLUS
CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
3a,3b,4,5,6,6a,11,11b-octahydro-8-methoxy- (9CI) (CA INDEX NAME)



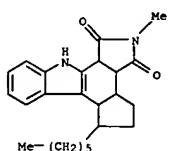
L6 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RN 405236-43-3 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 6-hexyl-3a,3b,4,5,6,6a,11,11b-octahydro-8-methoxy- (9CI) (CA INDEX NAME)



RN 405236-53-5 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 3a,3b,4,5,6,6a,11,11b-octahydro-2-methyl- (9CI) (CA INDEX NAME)

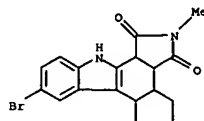


RN 405236-61-5 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 6-hexyl-3a,3b,4,5,6,6a,11,11b-octahydro-2-methyl- (9CI) (CA INDEX NAME)

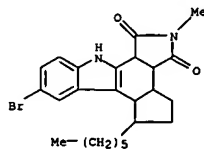


RN 405236-71-7 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 8-bromo-3a,3b,4,5,6,6a,11,11b-octahydro-2-methyl- (9CI) (CA INDEX NAME)

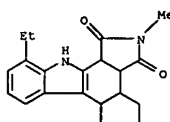
L6 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 405236-79-5 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 8-bromo-6-hexyl-3a,3b,4,5,6,6a,11,11b-octahydro-2-methyl- (9CI) (CA INDEX NAME)

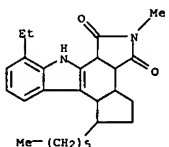


RN 405236-89-7 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 10-ethyl-3a,3b,4,5,6,6a,11,11b-octahydro-2-methyl- (9CI) (CA INDEX NAME)

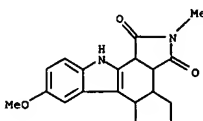


RN 405236-97-7 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 10-ethyl-6-hexyl-3a,3b,4,5,6,6a,11,11b-octahydro-2-methyl- (9CI) (CA INDEX NAME)

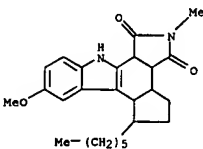
L6 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 405237-08-3 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 3a,3b,4,5,6,6a,11,11b-octahydro-8-methoxy-2-methyl- (9CI) (CA INDEX NAME)

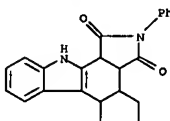


RN 405237-16-3 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 6-hexyl-3a,3b,4,5,6,6a,11,11b-octahydro-8-methoxy-2-methyl- (9CI) (CA INDEX NAME)



RN 405521-52-0 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione,
 3a,3b,4,5,6,6a,11,11b-octahydro-2-phenyl- (9CI) (CA INDEX NAME)

L6 ANSWER 12 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

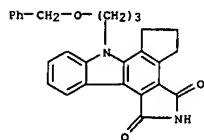
FORMAT

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 2001:833276 CAPLUS
 DOCUMENT NUMBER: 135:371989
 TITLE: Preparation of novel multicyclic compounds and their amino acid derivatives as inhibitors of enzymes such as poly(ADP-ribose) polymerase
 INVENTOR(S): Ator, Mark A.; Bihovsky, Ron; Chatterjee, Sankar; Dunn, Derek; Hudkins, Robert L.
 PATENT ASSIGNEE(S): Cephalon, Inc., USA
 SOURCE: PCT Int. Appl., 209 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

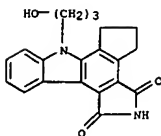
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 2002028815	A1	20020307	US 2001-850858	20010508
CA 2409758	AA	20011115	CA 2001-2409758	20010509
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EP 1294725	B1	20060104		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
BR 2001010993	A	20030624	BR 2001-10993	20010509
JP 2004501097	T2	20040115	JP 2001-582287	20010509
NZ 522539	A	20040528	NZ 2001-522539	20010509
AT 315039	E	20060215	AT 2001-935215	20010509
ZA 2002009065	A	20040209	ZA 2002-9065	20021107
NO 2002005376	A	20030108	NO 2002-5376	20021108
BG 107355	A	20030731	BG 2002-107355	20021205
HK 1051369	A1	20060504	HK 2003-103639	20030522
PRIORITY APPLN. INFO.:			US 2000-202947P	P 20000509
			US 2001-850858	A 20010508
			WO 2001-US14996	W 20010509

OTHER SOURCE(S): MARPAT 135:371989
 GI

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)
 374070-38-9P 374070-39-0P 374070-57-2P
 374070-59-4P 374070-64-1P 374070-73-2P
 374070-77-6P 374070-79-8P 374070-80-2P
 374070-83-4P 374071-01-9P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (prepn. of novel multicyclic compds. and their amino acid derivs. as inhibitors of enzymes for treatment of diseases related to enzymes such as poly(ADP-ribose) polymerase, VEGFR2 kinase, and MLK3 kinase)
 RN 374069-00-8 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-7-[3-(phenylmethoxy)propyl]- (9CI) (CA INDEX NAME)

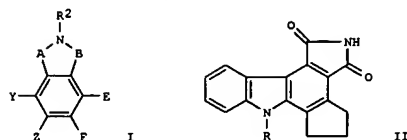


RN 374069-03-1 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-7-[3-(hydroxypropyl)- (9CI) (CA INDEX NAME)



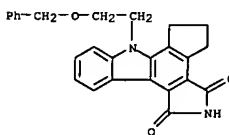
RN 374069-12-2 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-7-[2-(phenylmethoxy)ethyl]- (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

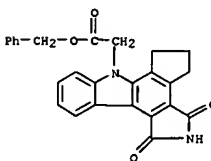


AB The title compds. such as penta[a]pyrrolo[3,4-c]carbazole, hexano[a]pyrrolo[3,4-c]carbazole, pyrrolo[3,4-c]carbazole, and furano[a-3,2]pyrrolo[3,4-c]carbazole derivs. [I; A, B = CO, CH(OR3), CH(SR3), CH2, CHR3, CHR3CHR4, CR3R4, COR3, N:CR3, SO, SO2 (wherein R3, R4 = H, optionally substituted lower alkyl or aryl); Y and Z, together with the carbon to which they are attached, form an (un)substituted mono- or bicyclic aryl or bicyclic heteroaryl, or C3-5 heteroaryl; E, F = lower alkyl or E and F, together with the carbon to which they are attached, form an (un)substituted C4-7 cycloalkyl, C3-6 heterocycloalkyl or heteroaryl, or an (un)substituted heterocycloalkyl endocyclically comprising at least one group G (wherein G = O, S, SO, SO2, NR2, NR2CO, NR2CONR3, NR2SO2, NR3SO2; R2 = H, optionally substituted lower alkyl or alkanoyl, CHO, acetyl, lower alkylsulfonyl, arylsulfonyl, an optionally protected amino acid)] are prepared. These compds. are effective in the treatment of diseases or disease states related to the activity of enzymes such as poly(ADP-ribose) polymerase (PARP), vascular endothelial growth factor receptor kinase (VEGFR2 kinase), and MLK3 kinase (a member of the mixed lineage kinase family), including, for example, traumatic central nervous system injuries, neurodegenerative diseases (in particular Parkinson's, Huntington's, or Alzheimer's disease), inflammation, cerebral or cardiac ischemia, endotoxic shock, diabetes, or cellular proliferative disorders (in particular cancer, solid tumors, diabetic retinopathy, intraocular neovascular syndromes, macular degeneration, rheumatoid arthritis, psoriasis, or endometriosis). They also suppress the formation of blood vessels (angiogenesis) and prevent neuronal degradation associated with traumatic central nervous system injuries. Thus, 2H-1,3,4,5,6,7-hexahydrocyclopenta[a]pyrrolo[3,4-c]carbazole-1,3-dione (II; R = H) (preparation given) was treated with NaH in DMF at room temperature for 30 min and condensed with a stirred mixture of Boc-Lys(Boc)-OH dicyclohexylamine salt, t-BTU, N-Methylmorpholine, and DMF at room temperature for 1 h, followed by treatment of the product with 4 N HCl in dioxane to give II (R = H-Lys). II (R = H-Lys) showed IC50 of µg/mL against of 22 nM against PARP.
 IT 374069-00-8P 374069-03-1P 374069-12-2P
 374069-14-4P 374069-19-9P 374069-21-3P
 374069-22-4P 374069-23-5P 374069-25-7P
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 374069-44-0P 374069-53-1P 374069-62-2P
 374069-75-7P 374070-30-1P 374070-33-4P

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)

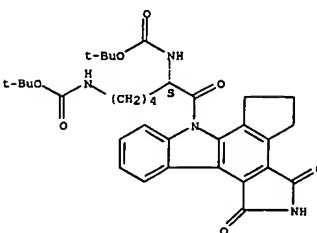


RN 374069-14-4 CAPLUS
 CN 7H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-7-acetic acid, 1,2,3,4,5,6-hexahydro-1,3-dioxo-, phenylmethyl ester (9CI) (CA INDEX NAME)

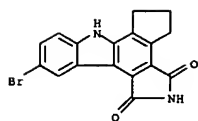


RN 374069-19-9 CAPLUS
 CN Carbamic acid, [(1S)-1-[(1,2,3,4,5,6-hexahydro-1,3-dioxo-7H-cyclopenta[a]pyrrolo[3,4-c]carbazol-7-yl)carbonyl]-1,5-pentanediy]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

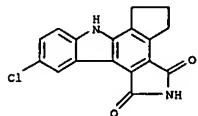
Absolute stereochemistry.



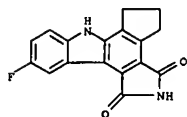
RN 374069-21-3 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-bromo-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



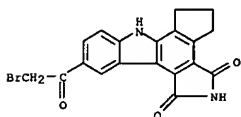
RN 374069-22-4 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
10-chloro-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



RN 374069-23-5 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
10-fluoro-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

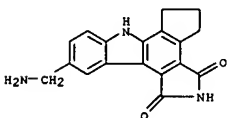


RN 374069-25-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
10-(bromoacetyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



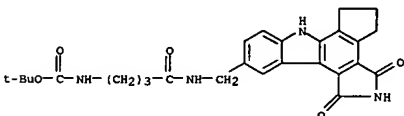
RN 374069-26-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
10-(2-bromo-1-oxopropyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
10-(aminomethyl)-4,5,6,7-tetrahydro-, hydrochloride (10:21) (9CI) (CA INDEX NAME)

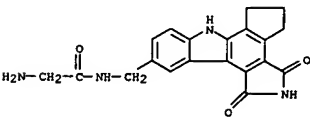


●21/10 HCl

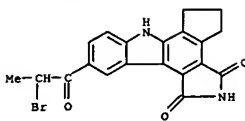
RN 374069-43-9 CAPLUS
CN Carbamic acid, [4-[[[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]-4-oxobutyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



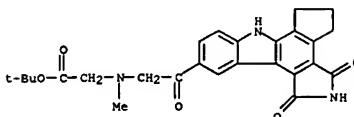
RN 374069-44-0 CAPLUS
CN Acetamide, 2-amino-N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)



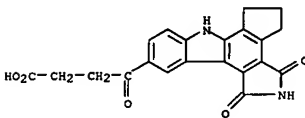
RN 374069-53-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxylic acid,
2,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)



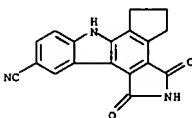
RN 374069-31-5 CAPLUS
CN Glycine,
N-[2-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-oxoethyl]-N-methyl-, 1,1-dimethylethyl ester (9CI)
(CA INDEX NAME)



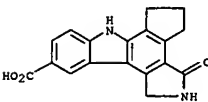
RN 374069-33-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-butanonic acid,
2,3,4,5,6,7-hexahydro-γ,1,3-trioxo- (9CI) (CA INDEX NAME)



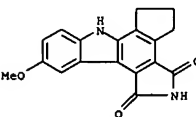
RN 374069-35-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carbonitrile,
2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)



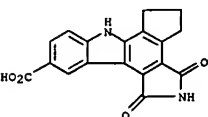
RN 374069-36-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,



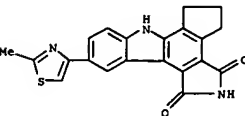
RN 374069-62-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
4,5,6,7-tetrahydro-10-methoxy- (9CI) (CA INDEX NAME)



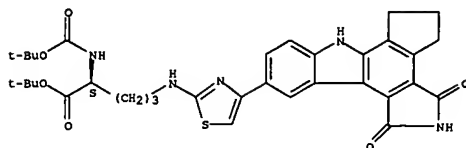
RN 374069-75-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxylic acid,
2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)



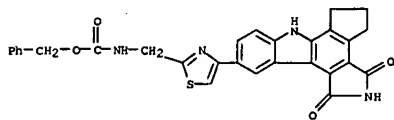
RN 374070-30-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
4,5,6,7-tetrahydro-10-(2-methyl-4-thiazolyl)- (9CI) (CA INDEX NAME)



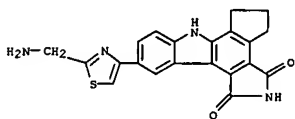
RN 374070-33-4 CAPLUS
CN L-Ornithine, N2-[(1,1-dimethylethoxy)carbonyl]-N5-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 374070-38-9 CAPLUS
CN Carbamic acid, [(4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl)methyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

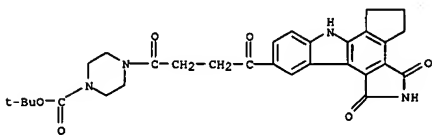


RN 374070-39-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-1,3(2H)-dione, 10-[2-(aminomethyl)-4-thiazolyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

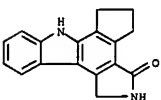


RN 374070-57-2 CAPLUS
CN L-Proline, 1-[2-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-oxoethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

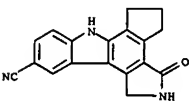
Absolute stereochemistry.



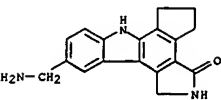
RN 374070-77-6 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)



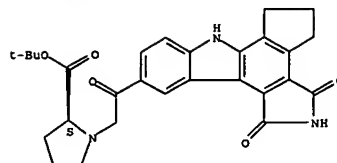
RN 374070-79-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-10-carbonitrile, 2,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)



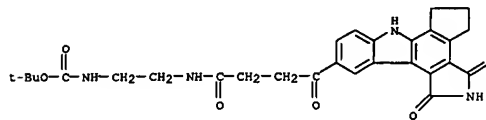
RN 374070-80-1 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 10-(aminomethyl)-1,2,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)



RN 374070-83-4 CAPLUS
CN Hexanamide, 2,6-diamino-N-[(2,3,4,5,6,7-hexahydro-3-oxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]-, dihydrochloride, (2S)-

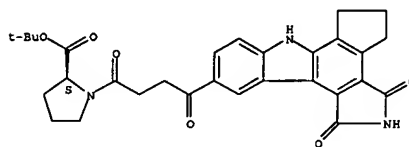


RN 374070-59-4 CAPLUS
CN Carbamic acid, [2-[(4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



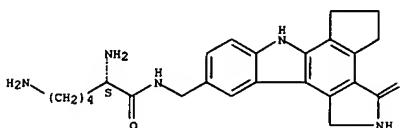
RN 374070-64-1 CAPLUS
CN L-Proline, 1-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



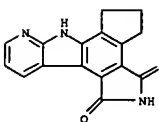
RN 374070-73-2 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

RN 374071-01-9 CAPLUS
CN 1H-Cyclopenta[g]pyrido[2,3-b]pyrrolo[3,4-e]indole-1,3(2H)-dione, 4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



IT 374068-99-2P 374069-01-9P 374069-02-0P
374069-04-2P 374069-05-3P 374069-06-4P
374069-07-5P 374069-08-6P 374069-09-7P
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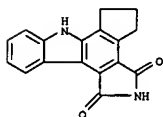
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

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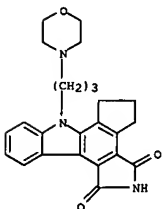
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of novel multicyclic compds. and their amino acid derivs. as inhibitors of enzymes for treatment of diseases related to enzymes

such as poly(ADP-ribose) polymerase, VEGFR2 kinase, and MLK3 kinase)

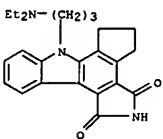
RN 374068-99-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



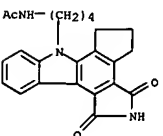
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 374069-06-4 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 7-[3-(diethylamino)propyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



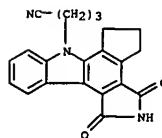
RN 374069-07-5 CAPLUS
CN Acetamide, N-[4-((1,2,3,4,5,6-hexahydro-1,3-dioxo-7H-cyclopenta[a]pyrrolo[3,4-c]carbazol-7-yl)butyl)- (9CI) (CA INDEX NAME)



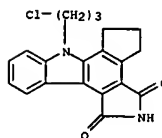
RN 374069-08-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-7-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

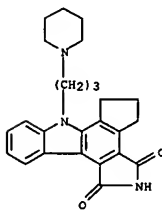
RN 374069-01-9 CAPLUS
CN 7H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-7-butanenitrile, 1,2,3,4,5,6-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)



RN 374069-02-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 7-(3-chloropropyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

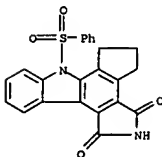


RN 374069-04-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-7-[3-(1-piperidinyl)propyl]- (9CI) (CA INDEX NAME)



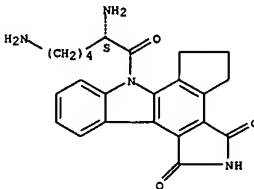
RN 374069-05-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-7-[3-(4-morpholinyl)propyl]- (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



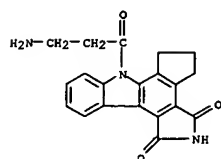
RN 374069-09-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 7-[(2S)-2,6-diamino-1-oxohexyl]-4,5,6,7-tetrahydro-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



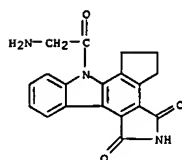
● 2 HCl

RN 374069-10-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 7-(3-amino-1-oxopropyl)-4,5,6,7-tetrahydro-, monohydrochloride (9CI) (CA INDEX NAME)



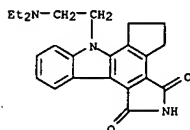
● HCl

RN 374069-11-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
7-(aminoacetyl)-4,5,6,7-tetrahydro-, monohydrochloride (9CI) (CA INDEX
NAME)

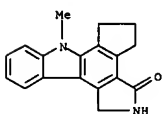


● HCl

RN 374069-13-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
7-[2-(diethylamino)ethyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

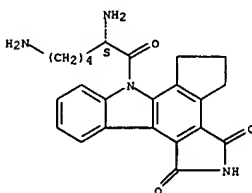


RN 374069-15-5 CAPLUS
CN 7H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-7-acetic acid,
1,2,3,4,5,6-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)

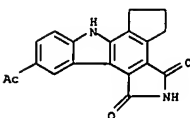


RN 374069-20-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
7-[(2S)-2,6-diamino-1-oxohexyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX
NAME)

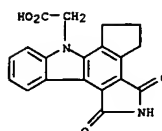
Absolute stereochemistry.



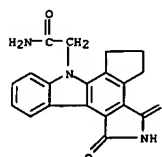
RN 374069-24-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
10-acetyl-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



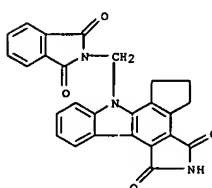
RN 374069-27-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
4,5,6,7-tetrahydro-10-[(4-methyl-1-piperazinyl)acetyl]- (9CI) (CA INDEX
NAME)



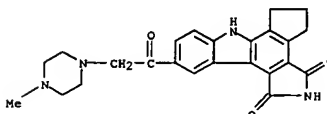
RN 374069-16-6 CAPLUS
CN 7H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-7-acetamide,
1,2,3,4,5,6-hexahydro-
1,3-dioxo- (9CI) (CA INDEX NAME)



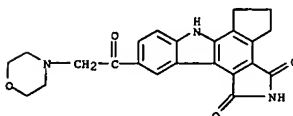
RN 374069-17-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
7-[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl]-4,5,6,7-tetrahydro-
(9CI) (CA INDEX NAME)



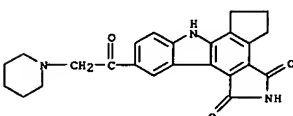
RN 374069-18-8 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro-7-
methyl- (9CI) (CA INDEX NAME)



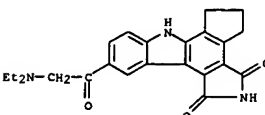
RN 374069-28-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
4,5,6,7-tetrahydro-10-(4-morpholinylacetyl)- (9CI) (CA INDEX NAME)



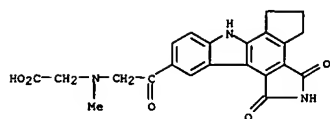
RN 374069-29-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
4,5,6,7-tetrahydro-10-(1-piperidinylacetyl)- (9CI) (CA INDEX NAME)



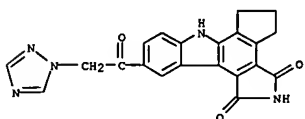
RN 374069-30-4 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
10-[(diethylamino)acetyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



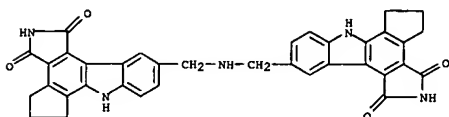
RN 374069-32-6 CAPLUS
CN Glycine,
N-[2-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-
c]carbazol-10-yl)-2-oxoethyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 374069-34-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[(1H-1,2,4-triazol-1-yl)acetyl]- (9CI) (CA INDEX NAME)

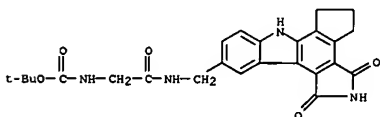


RN 374069-37-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10,10'-[iminobis(methylene)]bis[4,5,6,7-tetrahydro-, hydrochloride (9CI) (CA INDEX NAME)

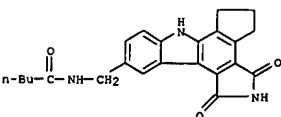


•x HCl

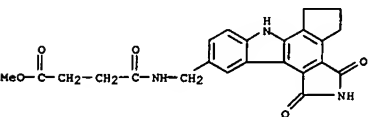
RN 374069-38-2 CAPLUS
CN Acetamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)



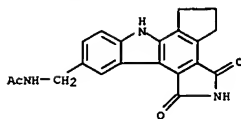
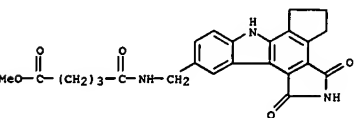
RN 374069-45-1 CAPLUS
CN Pentanamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)



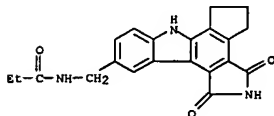
RN 374069-46-2 CAPLUS
CN Butanoic acid, 4-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]-4-oxo-, methyl ester (9CI) (CA INDEX NAME)



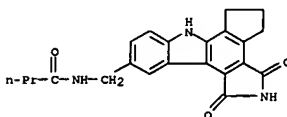
RN 374069-47-3 CAPLUS
CN Pentanoic acid, 5-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]-5-oxo-, methyl ester (9CI) (CA INDEX NAME)



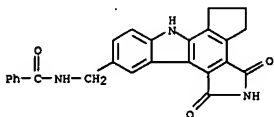
RN 374069-39-3 CAPLUS
CN Propanamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)



RN 374069-40-6 CAPLUS
CN Butanamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)

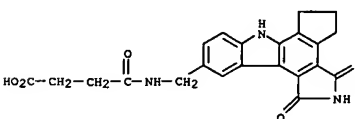


RN 374069-41-7 CAPLUS
CN Benzamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)

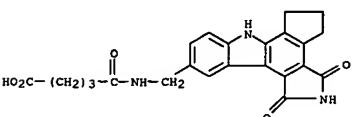


RN 374069-42-8 CAPLUS
CN Carbamic acid, [2-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]-2-oxoethyl]-, (9CI) (CA INDEX NAME)

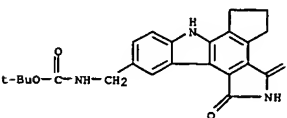
RN 374069-48-4 CAPLUS
CN Butanoic acid, 4-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]-4-oxo- (9CI) (CA INDEX NAME)



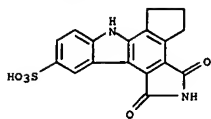
RN 374069-49-5 CAPLUS
CN Pentanoic acid, 5-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]-5-oxo- (9CI) (CA INDEX NAME)



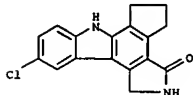
RN 374069-50-8 CAPLUS
CN Carbamic acid, [(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



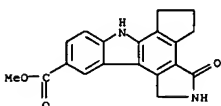
RN 374069-51-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-sulfonic acid, 2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)



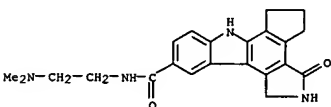
RN 374069-52-0 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-3-one, 10-chloro-1,2,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)



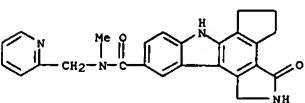
RN 374069-54-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxylic acid, 2,3,4,5,6,7-hexahydro-3-oxo-, methyl ester (9CI) (CA INDEX NAME)



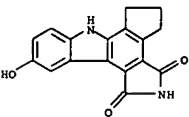
RN 374069-55-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, N-[2-(dimethylamino)ethyl]-2,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)



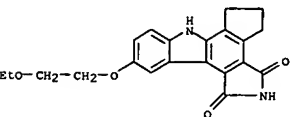
RN 374069-56-4 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, N-[2-(4-morpholinyl)ethyl]-2,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)



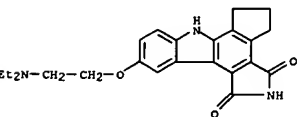
RN 374069-61-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-hydroxy- (9CI) (CA INDEX NAME)



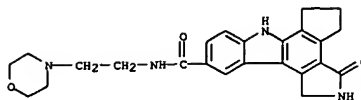
RN 374069-63-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-(2-ethoxyethoxy)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



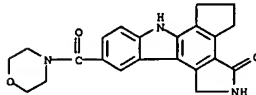
RN 374069-64-4 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[2-(diethylamino)ethoxy]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



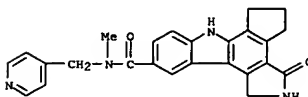
RN 374069-65-5 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[3-(dimethylamino)propoxy]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



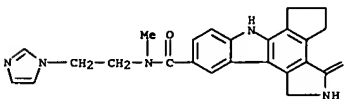
RN 374069-57-5 CAPLUS
CN Morpholine, 4-[(2,3,4,5,6,7-hexahydro-3-oxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)carbonyl]- (9CI) (CA INDEX NAME)



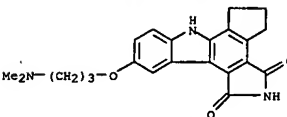
RN 374069-58-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, 2,3,4,5,6,7-hexahydro-N-methyl-3-oxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



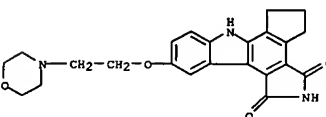
RN 374069-59-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, N-[2-(1H-imidazol-1-yl)ethyl]-N-methyl-3-oxo- (9CI) (CA INDEX NAME)



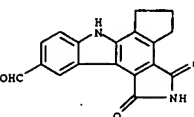
RN 374069-60-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, 2,3,4,5,6,7-hexahydro-N-methyl-3-oxo-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



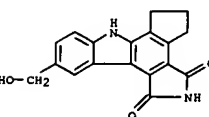
RN 374069-66-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[(2-morpholinyl)ethoxy]- (9CI) (CA INDEX NAME)



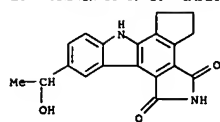
RN 374069-67-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxaldehyde, 2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)



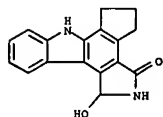
RN 374069-68-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-(hydroxymethyl)- (9CI) (CA INDEX NAME)



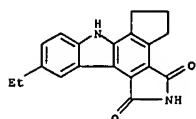
RN 374069-69-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-(1-hydroxyethyl)- (9CI) (CA INDEX NAME)



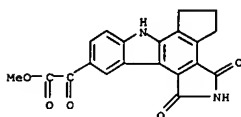
RN 374069-70-2 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro-1-hydroxy- (9CI) (CA INDEX NAME)



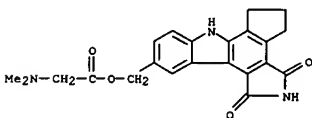
RN 374069-71-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-ethyl-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



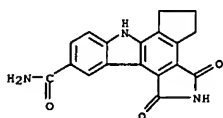
RN 374069-72-4 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-acetic acid, 2,3,4,5,6,7-hexahydro-α,1,3-trioxo-, methyl ester (9CI) (CA INDEX NAME)



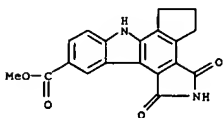
RN 374069-73-5 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-acetic acid, 2,3,4,5,6,7-hexahydro-α,1,3-trioxo- (9CI) (CA INDEX NAME)



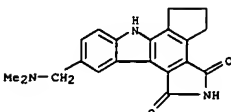
RN 374069-79-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide, 2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)



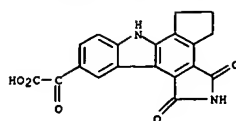
RN 374069-80-4 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxylic acid, 2,3,4,5,6,7-hexahydro-1,3-dioxo-, methyl ester (9CI) (CA INDEX NAME)



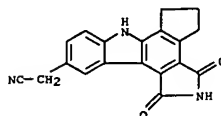
RN 374069-81-5 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[(dimethylamino)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



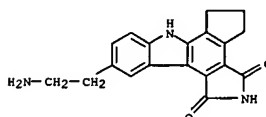
RN 374069-82-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[(ethylamino)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



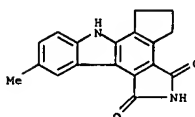
RN 374069-74-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-acetonitrile, 2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)



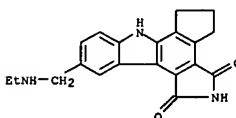
RN 374069-76-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-(2-aminoethyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



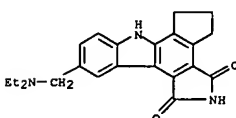
RN 374069-77-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-methyl- (9CI) (CA INDEX NAME)



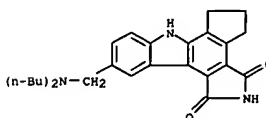
RN 374069-78-0 CAPLUS
CN Glycine, N,N-dimethyl-, (2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl ester (9CI) (CA INDEX NAME)



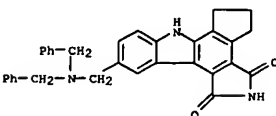
RN 374069-83-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[(diethylamino)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



RN 374069-84-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[(diethylamino)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

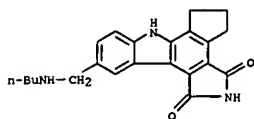


RN 374069-85-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[(bis(phenylmethyl)amino)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

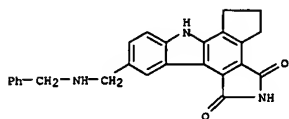


RN 374069-87-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,

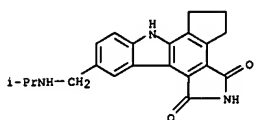
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
10-[(butylamino)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



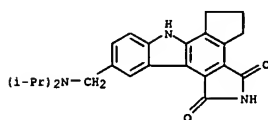
RN 374069-88-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[(phenylmethyl)amino]methyl- (9CI) (CA INDEX NAME)



RN 374069-89-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[(1-methylethyl)amino]methyl- (9CI) (CA INDEX NAME)

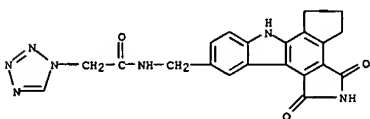


RN 374069-90-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[(bis(1-methylethyl)amino)methyl]- (9CI) (CA INDEX NAME)

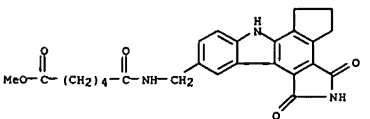


L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

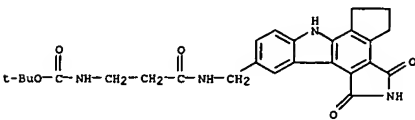
RN 374069-95-1 CAPLUS
CN 1H-Tetrazole-1-acetamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)



RN 374069-96-2 CAPLUS
CN Hexanoic acid, 6-[[[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]-6-oxo-, methyl ester (9CI) (CA INDEX NAME)



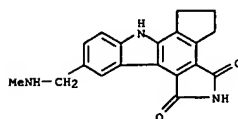
RN 374069-97-3 CAPLUS
CN Carbamic acid, [3-[[[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]-3-oxopropyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



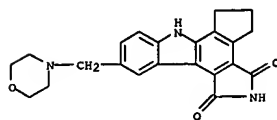
RN 374069-98-4 CAPLUS
CN Propanamide, 3-amino-N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

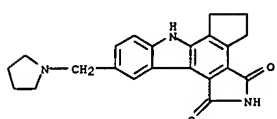
RN 374069-91-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[(methylamino)methyl]- (9CI) (CA INDEX NAME)



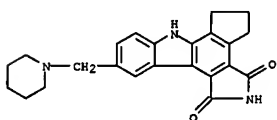
RN 374069-92-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-(4-morpholinylmethyl)- (9CI) (CA INDEX NAME)



RN 374069-93-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-(1-pyrrolidinylmethyl)- (9CI) (CA INDEX NAME)

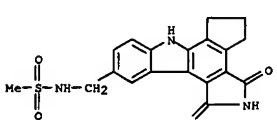
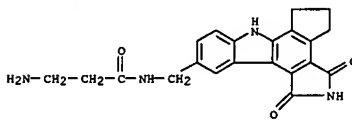


RN 374069-94-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-(1-piperidinylmethyl)- (9CI) (CA INDEX NAME)

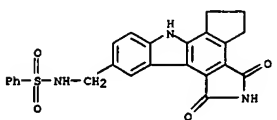


L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

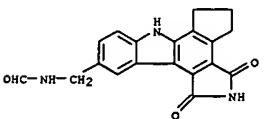
RN 374069-99-5 CAPLUS
CN Methanesulfonamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)



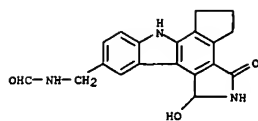
RN 374070-00-5 CAPLUS
CN Benzenesulfonamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)



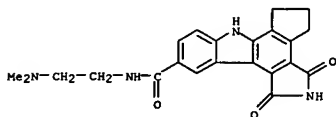
RN 374070-01-6 CAPLUS
CN Formamide, N-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)



RN 374070-02-7 CAPLUS
CN Formamide, N-[(2,3,4,5,6,7-hexahydro-1-hydroxy-3-oxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]- (9CI) (CA INDEX NAME)

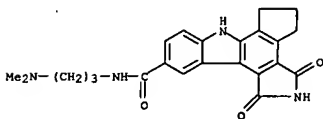


RN 374070-03-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[2-(dimethylamino)ethyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo-,
hydrochloride (9CI) (CA INDEX NAME)



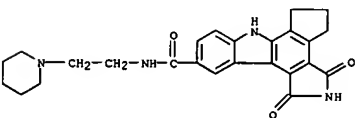
• x HCl

RN 374070-04-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[3-(dimethylamino)propyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA
INDEX NAME)

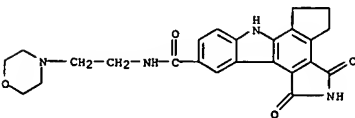


RN 374070-05-0 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[5-(dimethylamino)pentyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo-N-(4-pyridinylmethyl)- (9CI) (CA INDEX
NAME)

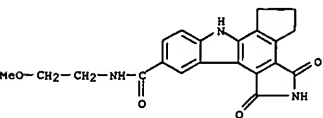
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[2-(1-piperidinyl)ethyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA
INDEX NAME)



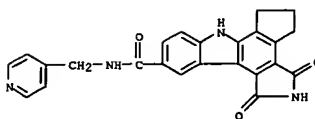
RN 374070-10-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[2-(4-morpholinyl)ethyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA
INDEX NAME)



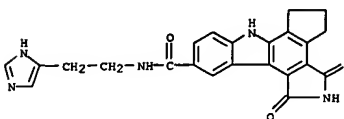
RN 374070-11-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[2-(methoxyethyl)-2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA INDEX
NAME)



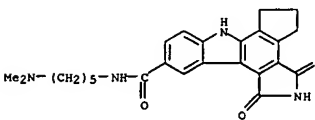
RN 374070-12-9 CAPLUS
CN Morpholine, 4-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-
cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)carbonyl]- (9CI) (CA INDEX
NAME)



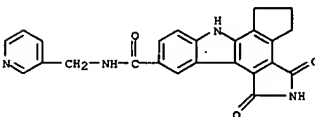
RN 374070-06-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[2-(1H-imidazol-4-yl)ethyl]-1,3-dioxo- (9CI) (CA
INDEX NAME)



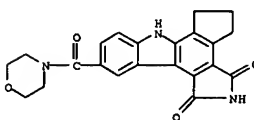
RN 374070-07-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[5-(dimethylamino)pentyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA
INDEX NAME)



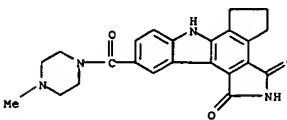
RN 374070-08-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[5-(dimethylamino)pentyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo-N-(3-pyridinylmethyl)- (9CI) (CA INDEX
NAME)



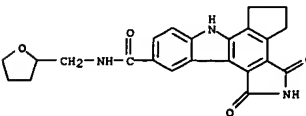
RN 374070-09-4 CAPLUS



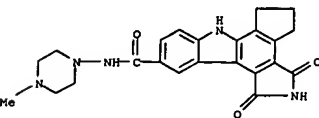
RN 374070-13-0 CAPLUS
CN Piperazine, 1-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-
cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)carbonyl]-4-methyl- (9CI) (CA
INDEX NAME)



RN 374070-14-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[2-(4-methyl-1-piperazinyl)ethyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA
INDEX NAME)

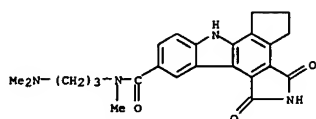


RN 374070-15-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
N-[2-(4-methyl-1-piperazinyl)ethyl]-2,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA
INDEX NAME)

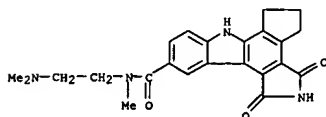


RN 374070-16-3 CAPLUS

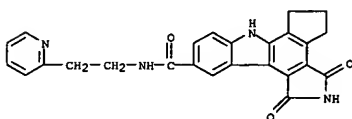
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 N-[3-(dimethylamino)propyl]-2,3,4,5,6,7-hexahydro-N-methyl-1,3-dioxo-
 (9CI) (CA INDEX NAME)



RN 374070-17-4 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 N-[2-(dimethylamino)ethyl]-2,3,4,5,6,7-hexahydro-N-methyl-1,3-dioxo-
 (9CI) (CA INDEX NAME)

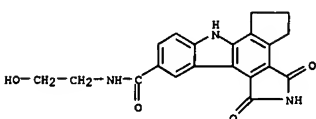


RN 374070-18-5 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 2,3,4,5,6,7-hexahydro-1,3-dioxo-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA
 INDEX NAME)

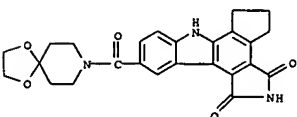


RN 374070-19-6 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 2,3,4,5,6,7-hexahydro-N-methyl-1,3-dioxo-N-[2-(2-pyridinyl)ethyl]- (9CI)
 (CA INDEX NAME)

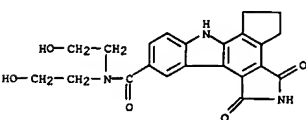
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RN 374070-23-2 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 2,3,4,5,6,7-hexahydro-N-(2-hydroxyethyl)-1,3-dioxo- (9CI) (CA INDEX
 NAME)



RN 374070-24-3 CAPLUS
 CN 1,4-Dioxo-8-azaspiro[4.5]decane, 8-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-
 cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)carbonyl]- (9CI) (CA INDEX
 NAME)

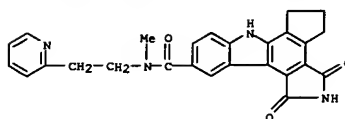


RN 374070-25-4 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 2,3,4,5,6,7-hexahydro-N,N-bis(2-hydroxyethyl)-1,3-dioxo- (9CI) (CA INDEX
 NAME)

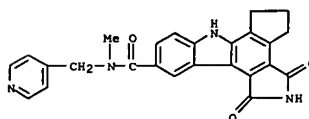


RN 374070-26-5 CAPLUS
 CN 4-Piperidinone, 1-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-
 cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)carbonyl]- (9CI) (CA INDEX
 NAME)

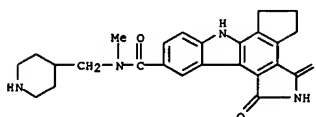
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



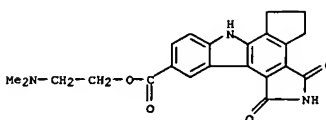
RN 374070-20-9 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 2,3,4,5,6,7-hexahydro-N-methyl-1,3-dioxo-N-(4-pyridinylmethyl)- (9CI)
 (CA INDEX NAME)



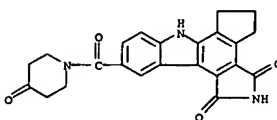
RN 374070-21-0 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxamide,
 2,3,4,5,6,7-hexahydro-N-methyl-1,3-dioxo-N-(4-piperidinylmethyl)- (9CI)
 (CA INDEX NAME)



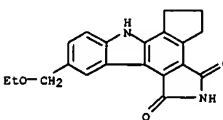
RN 374070-22-1 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxylic acid,
 2,3,4,5,6,7-hexahydro-1,3-dioxo-, 2-(dimethylamino)ethyl ester (9CI) (CA
 INDEX NAME)



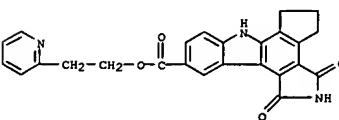
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



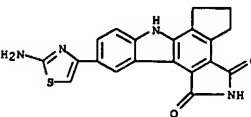
RN 374070-27-6 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
 10-(ethoxymethyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



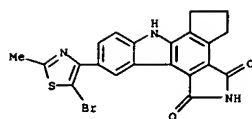
RN 374070-28-7 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carboxylic acid,
 2,3,4,5,6,7-hexahydro-1,3-dioxo-, 2-(2-pyridinyl)ethyl ester (9CI) (CA
 INDEX NAME)



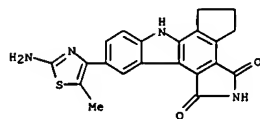
RN 374070-29-8 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
 10-(2-amino-4-thiazolyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



RN 374070-31-2 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
 10-(5-bromo-2-methyl-4-thiazolyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX
 NAME)

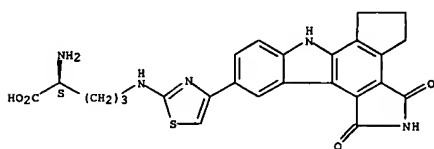


RN 374070-32-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-(2-amino-5-methyl-4-thiazolyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



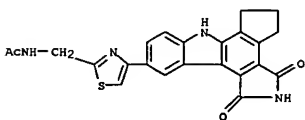
RN 374070-34-5 CAPLUS
CN L-Ornithine, N5-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

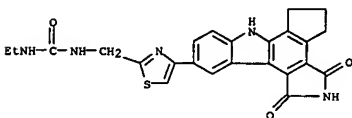


RN 374070-35-6 CAPLUS
CN Guanidine, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]- (9CI) (CA INDEX NAME)

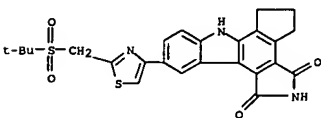
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 374070-41-4 CAPLUS
CN Acetamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]- (9CI)
(CA INDEX NAME)



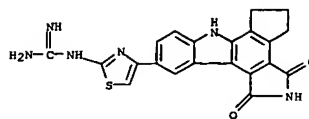
RN 374070-42-5 CAPLUS
CN Urea, N-ethyl-N'-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]- (9CI)
(CA INDEX NAME)



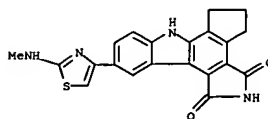
RN 374070-43-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[2-[[[1,1-dimethylethyl]sulfonyl]methyl]-4-thiazolyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



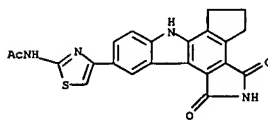
RN 374070-44-7 CAPLUS
CN 2-Thiazoleacetic acid, 4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-, 1,1-dimethylethyl ester (9CI)
(CA INDEX NAME)



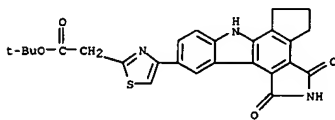
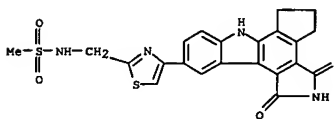
RN 374070-36-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[2-(methylamino)-4-thiazolyl]- (9CI) (CA INDEX NAME)



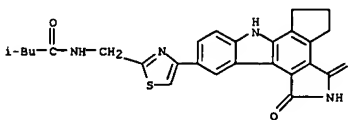
RN 374070-37-8 CAPLUS
CN Acetamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]- (9CI) (CA INDEX NAME)



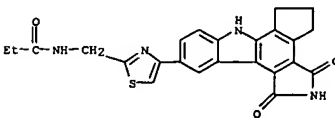
RN 374070-40-3 CAPLUS
CN Methanesulfonamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]- (9CI)
(CA INDEX NAME)



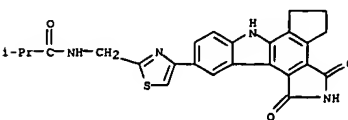
RN 374070-45-8 CAPLUS
CN Butanamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]-3-methyl- (9CI) (CA INDEX NAME)



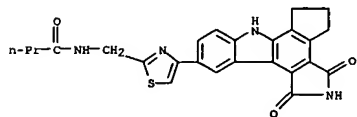
RN 374070-46-9 CAPLUS
CN Propanamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]- (9CI)
(CA INDEX NAME)



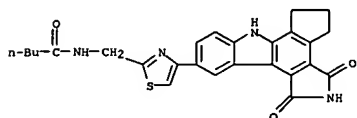
RN 374070-47-0 CAPLUS
CN Propanamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]-2-methyl- (9CI) (CA INDEX NAME)



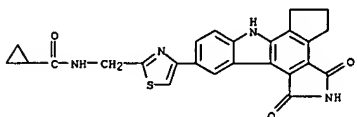
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RN 374070-48-1 CAPLUS
 CN Butanamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]- (9CI)
 (CA INDEX NAME)



RN 374070-49-2 CAPLUS
 CN Pentanamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]- (9CI)
 (CA INDEX NAME)



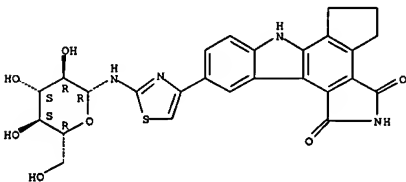
RN 374070-50-5 CAPLUS
 CN Cyclopropanecarboxamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]- (9CI)
 (CA INDEX NAME)



RN 374070-51-6 CAPLUS
 CN Cyclopentanecarboxamide, N-[[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl]- (9CI)
 (CA INDEX NAME)

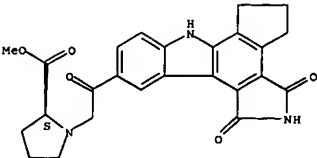
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RN 374070-55-0 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-[(2-(β-D-glucopyranosylamino)-4-thiazolyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 374070-56-1 CAPLUS
 CN L-Proline, 1-[2-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-oxoethyl]-, methyl ester (9CI) (CA INDEX NAME)

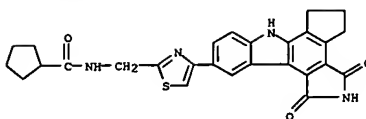
Absolute stereochemistry.



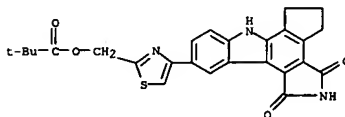
RN 374070-58-3 CAPLUS
 CN L-Proline, 1-[2-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

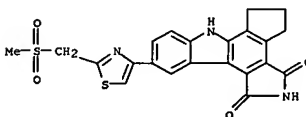
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



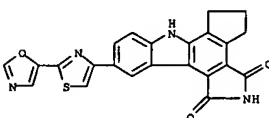
RN 374070-52-7 CAPLUS
 CN Propanoic acid, 2,2-dimethyl-, [4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-2-thiazolyl]methyl ester (9CI)
 (CA INDEX NAME)



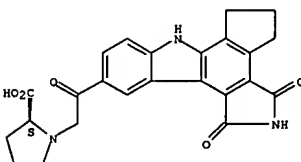
RN 374070-53-8 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[2-[(methylsulfonyl)methyl]-4-thiazolyl]- (9CI)
 (CA INDEX NAME)



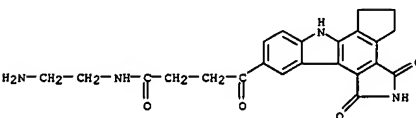
RN 374070-54-9 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-10-[2-(5-oxazolyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



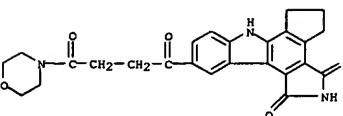
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



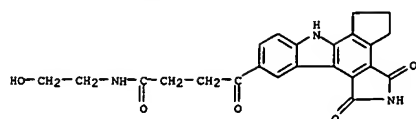
RN 374070-60-7 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-butanamide, N-(2-aminoethyl)-2,3,4,5,6,7-hexahydro-γ,1,3-trioxo- (9CI) (CA INDEX NAME)



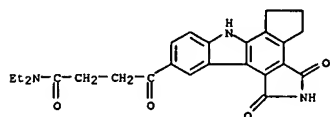
RN 374070-62-9 CAPLUS
 CN Morpholine, 4-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]- (9CI) (CA INDEX NAME)



RN 374070-63-0 CAPLUS
 CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-butanamide, 2,3,4,5,6,7-hexahydro-N-(2-hydroxyethyl)-γ,1,3-trioxo- (9CI) (CA INDEX NAME)

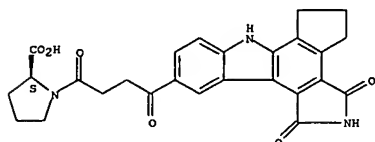


RN 374070-65-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-butanamide, N,N-diethyl-2,3,4,5,6,7-hexahydro-γ,1,3-trioxo- (9CI) (CA INDEX NAME)



RN 374070-66-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-butylamine, N,N-diethyl-2,3,4,5,6,7-hexahydro-γ,1,3-trioxo- (9CI) (CA INDEX NAME)

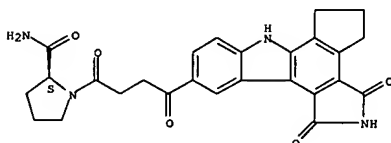
Absolute stereochemistry.



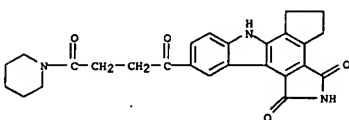
RN 374070-67-4 CAPLUS
CN Pyrazinecarboxylic acid, 3-[(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)carbonyl]- (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
RN 374070-71-0 CAPLUS
CN 2-Pyrrolidinene-carboxamide, 1-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]-, (2S)- (9CI) (CA INDEX NAME)

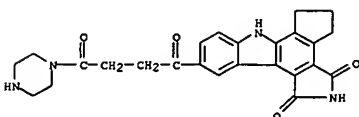
Absolute stereochemistry.



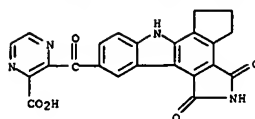
RN 374070-72-1 CAPLUS
CN Piperidine, 1-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]- (9CI) (CA INDEX NAME)



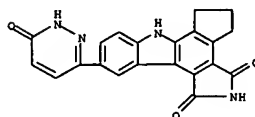
RN 374070-74-3 CAPLUS
CN Piperazine, 1-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]- (9CI) (CA INDEX NAME)



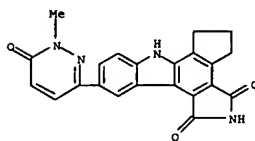
RN 374070-75-4 CAPLUS
CN Azocine, 1-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]octahydro- (9CI) (CA INDEX NAME)



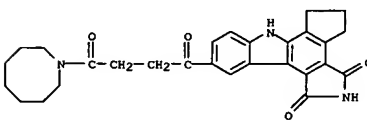
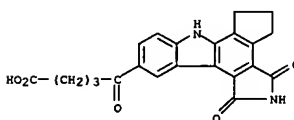
RN 374070-68-5 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-(1,6-dihydro-6-oxo-3-pyridazinyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



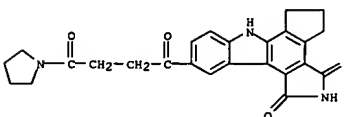
RN 374070-69-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-(1,6-dihydro-1-methyl-6-oxo-3-pyridazinyl)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



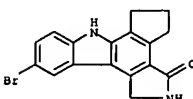
RN 374070-70-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-pentanoic acid, 2,3,4,5,6,7-hexahydro-β,1,3-trioxo- (9CI) (CA INDEX NAME)



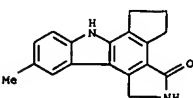
RN 374070-76-5 CAPLUS
CN Pyrazine, 1-[4-(2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)-1,4-dioxobutyl]- (9CI) (CA INDEX NAME)



RN 374070-78-7 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 10-bromo-1,2,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)

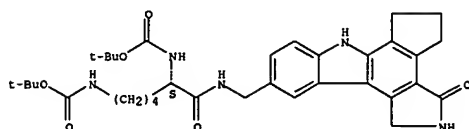


RN 374070-81-2 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 1,2,4,5,6,7-hexahydro-10-methyl- (9CI) (CA INDEX NAME)



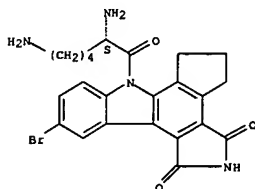
RN 374070-82-3 CAPLUS
CN Carbamic acid, [(1S)-1-[[[(2,3,4,5,6,7-hexahydro-3-oxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl)methyl]amino]carbonyl]-1,5-pentanediy]bis-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Absolute stereochemistry.



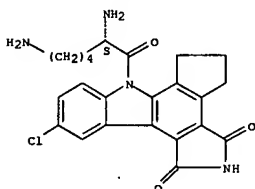
RN 374070-85-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
10-bromo-7-[(2S)-2,6-diamino-1-oxohexyl]-4,5,6,7-tetrahydro- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.



RN 374070-86-7 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
10-chloro-7-[(2S)-2,6-diamino-1-oxohexyl]-4,5,6,7-tetrahydro- (9CI) (CA
INDEX NAME)

Absolute stereochemistry.

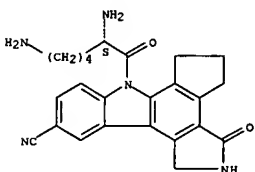


RN 374070-87-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
7-[(2S)-2,6-diamino-1-oxohexyl]-10-fluoro-4,5,6,7-tetrahydro- (9CI) (CA
INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

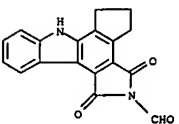
RN 374070-90-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-10-carbonitrile,
7-[(2S)-2,6-diamino-1-oxohexyl]-2,3,4,5,6,7-hexahydro-3-oxo-,
dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

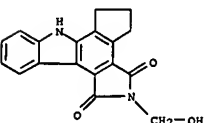


● 2 HCl

RN 374070-91-4 CAPLUS
CN 2H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-2-carboxaldehyde,
1,3,4,5,6,7-hexahydro-1,3-dioxo- (9CI) (CA INDEX NAME)



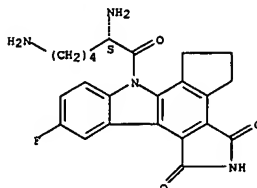
RN 374070-92-5 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,
4,5,6,7-tetrahydro-2-(hydroxymethyl)- (9CI) (CA INDEX NAME)



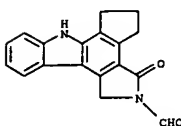
RN 374070-93-6 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
INDEX NAME)

Absolute stereochemistry.

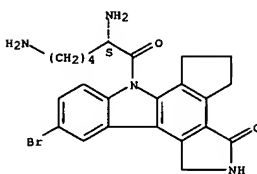


RN 374070-88-9 CAPLUS
CN 2H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-2-carboxaldehyde,
1,3,4,5,6,7-hexahydro-3-oxo- (9CI) (CA INDEX NAME)



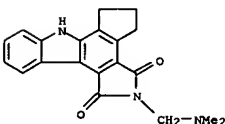
RN 374070-89-0 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-3-one,
10-bromo-7-[(2S)-2,6-diamino-1-oxohexyl]-1,2,4,5,6,7-hexahydro-, dihydrochloride (9CI) (CA INDEX
NAME)

Absolute stereochemistry.

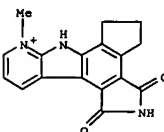


● 2 HCl

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
2-[(dimethylamino)methyl]-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)

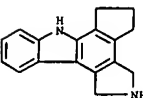


RN 374071-02-0 CAPLUS
CN 1H-Cyclopenta[g]pyrido[2,3-b]pyrrolo[3,4-e]indolium,
2,3,4,5,6,7-hexahydro-8-methyl-1,3-dioxo-, iodide (9CI) (CA INDEX NAME)

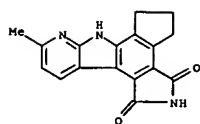


● I⁻

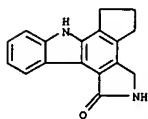
RN 374071-03-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole, 2,3,4,5,6,7-hexahydro- (9CI)
(CA INDEX NAME)



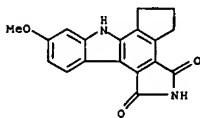
RN 374071-04-2 CAPLUS
CN 1H-Cyclopenta[g]pyrido[2,3-b]pyrrolo[3,4-e]indole-1,3(2H)-dione,
4,5,6,7-tetrahydro-9-methyl- (9CI) (CA INDEX NAME)



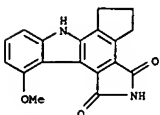
RN 374071-05-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-1-one, 2,3,4,5,6,7-hexahydro- (9CI) (CA INDEX NAME)



RN 374071-45-1 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-9-methoxy- (9CI) (CA INDEX NAME)

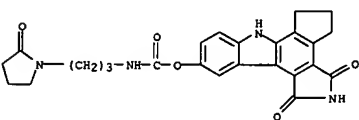


RN 374071-46-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-11-methoxy- (9CI) (CA INDEX NAME)

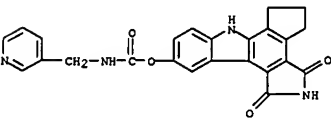


RN 374071-47-3 CAPLUS
CN 4-Morpholinecarboxylic acid, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H- (9CI) (CA INDEX NAME)

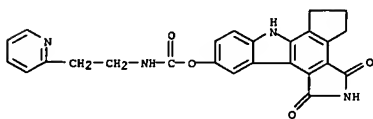
RN 374071-51-9 CAPLUS
CN Carbamic acid, [3-(2-oxo-1-pyrrolidinyl)propyl]-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



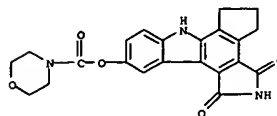
RN 374071-52-0 CAPLUS
CN Carbamic acid, [3-(2-pyridinylmethyl)-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



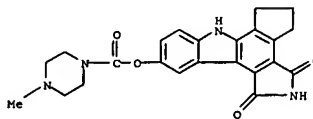
RN 374071-53-1 CAPLUS
CN Carbamic acid, [2-(2-pyridinyl)ethyl]-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



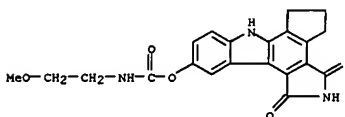
RN 374071-54-2 CAPLUS
CN Carbamic acid, methyl[2-(2-pyridinyl)ethyl]-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



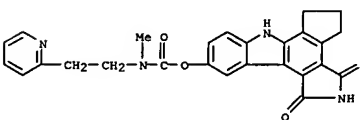
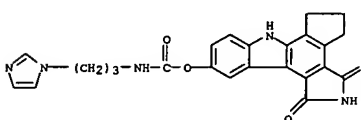
RN 374071-48-4 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-methyl-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



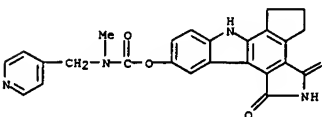
RN 374071-49-5 CAPLUS
CN Carbamic acid, (2-methoxyethyl)-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



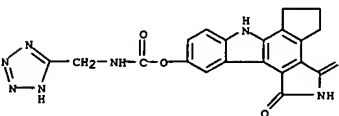
RN 374071-50-8 CAPLUS
CN Carbamic acid, [3-(1H-imidazol-1-yl)propyl]-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



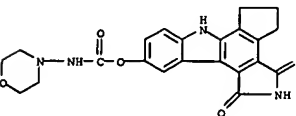
RN 374071-55-3 CAPLUS
CN Carbamic acid, methyl(4-pyridinylmethyl)-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



RN 374071-56-4 CAPLUS
CN Carbamic acid, (1H-tetrazol-5-ylmethyl)-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)

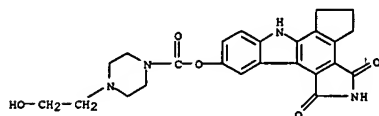


RN 374071-57-5 CAPLUS
CN Carbamic acid, 4-morpholinyl-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)

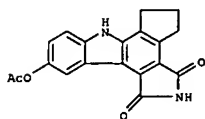


RN 374071-58-6 CAPLUS
CN 1-Piperazinecarboxylic acid, 4-(2-hydroxyethyl)-, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)

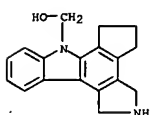
L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl ester (9CI) (CA INDEX NAME)



RN 374072-29-4 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 10-(acetyloxy)-4,5,6,7-tetrahydro- (9CI) (CA INDEX NAME)



RN 374553-23-8 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-ar-carboxylic acid, 2,3,4,5,6,7-hexahydro-1(or 3)-hydroxy-7-(hydroxymethyl)-3(or 1)-oxo- (9CI) (CA INDEX NAME)



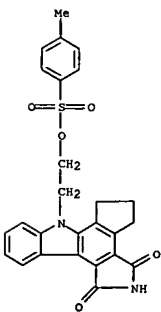
D1-CO₂H

D1-OH

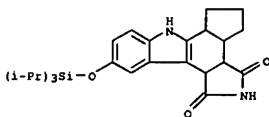
D2=O

RN 374553-24-9 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 8-(9,10 or 11)-(dimethylamino)methyl)-4,5,6,7-tetrahydro-7-(hydroxymethyl)- (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
4,5,6,7-tetrahydro-7-[2-[(4-methylphenyl)sulfonyloxy]ethyl]- (9CI) (CA INDEX NAME)

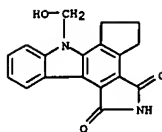


RN 374071-65-5 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 3a,3b,4,5,6,6a,7,11c-octahydro-10-[[tris(1-methylethyl)silyloxy]- (9CI) (CA INDEX NAME)



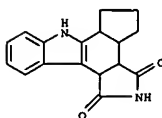
RN 374071-75-7 CAPLUS
CN 3H-Cyclopenta[a]pyrrolo[3,4-c]carbazol-3-one, 10-(aminomethyl)-1,2,4,5,6,7-hexahydro-, hydrochloride (9CI) (CA INDEX NAME)

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

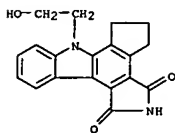


Me₂N-CH₂-D1

IT 374071-61-1P 374071-62-2P 374071-63-3P
374071-65-5P 374071-75-7P 374071-88-2P
374071-98-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
derivs. as (preparation of novel multicyclic compds. and their amino acid inhibitors of enzymes for treatment of diseases related to enzymes such as poly(ADP-ribose) polymerase, VEGFR2 kinase, and MLK3 kinase)
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 3a,3b,4,5,6,6a,7,11c-octahydro- (9CI) (CA INDEX NAME)

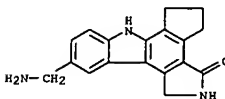


RN 374071-62-2 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione, 4,5,6,7-tetrahydro-7-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



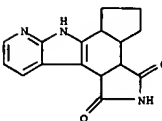
RN 374071-63-3 CAPLUS
CN 1H-Cyclopenta[a]pyrrolo[3,4-c]carbazole-1,3(2H)-dione,

L6 ANSWER 13 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

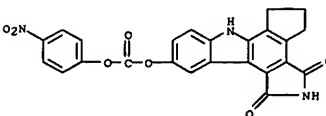


• x HCl

RN 374071-88-2 CAPLUS
CN 1H-Cyclopenta[g]pyrido[2,3-b]pyrrolo[3,4-e]indole-1,3(2H)-dione, 3a,3b,4,5,6,6a,7,11c-octahydro- (9CI) (CA INDEX NAME)



RN 374071-98-4 CAPLUS
CN Carbonic acid, 2,3,4,5,6,7-hexahydro-1,3-dioxo-1H-cyclopenta[a]pyrrolo[3,4-c]carbazol-10-yl 4-nitrophenyl ester (9CI) (CA INDEX NAME)



L6 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:553875 CAPLUS
 DOCUMENT NUMBER: 133:335149
 TITLE: Acid-induced dimerization of 3-(1H-indol-3-yl)maleimides. Formation of cyclopentindole derivatives
 AUTHOR(S): Bergman, Jan; Janosik, Tomasz; Koch, Eva; Felcman, Benjamin
 CORPORATE SOURCE: Department of Biosciences at Novum, Karolinska Institute, Huddinge, SE-141 57, Swed.
 SOURCE: Perkin 1 (2000), (16), 2615-2621
 CODEN: PERAF9; ISSN: 1470-4358
 PUBLISHER: Royal Society of Chemistry
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 133:335149
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

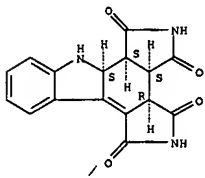
AB Acid-induced dimerizations of 3-substituted maleimides were investigated, leading to e.g. the cyclopentindole I and the deeply colored spiro compds.

II (R = H, MeO) in good yields. 3-(1H-indol-3-yl)maleimide readily gave the cycloaddn. products III (X = NH, NET, O) 13-15 on treatment with appropriate dienophiles. In addition, several related 3,3-di(1H-indol-3-yl)succinimides were prepared and studied.

IT 303190-29-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of cyclopentindoles by acid-induced dimerization of indolylmaleimides)

RN 303190-29-6 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,6b,7-tetrahydro-, (3aR,3bS,6aS,6bS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

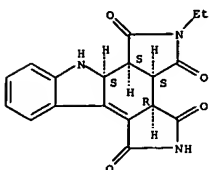


IT 303190-30-9P 303190-31-OP 303190-32-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of cyclopentindoles by acid-induced dimerization of indolylmaleimides)

RN 303190-30-9 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone,

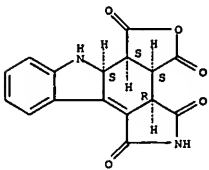
L6 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 5-ethyl-3b,6a,6b,7-tetrahydro-, (3aR,3bS,6aS,6bS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



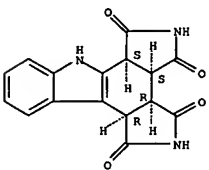
RN 303190-31-0 CAPLUS
 CN Furo[3,4-a]pyrrolo[3,4-c]carbazole-1,3,4,6(2H,3aH)-tetrone, 3b,6a,6b,7-tetrahydro-, (3aR,3bS,6aS,6bS)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 303190-32-1 CAPLUS
 CN 1H-Dipyrrolo[3,4-a:3',4'-c]carbazole-1,3,4,6(2H,3aH,5H)-tetrone, 3b,6a,7,11c-tetrahydro-, (3aR,3bS,6aS,11cR)-rel- (9CI) (CA INDEX NAME)

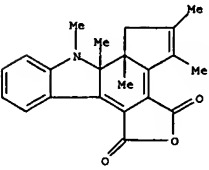
Relative stereochemistry.



REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS

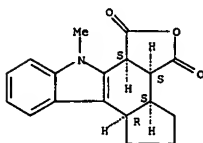
L6 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L6 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1996:617163 CAPLUS
 DOCUMENT NUMBER: 126:24714
 TITLE: Photochromic diarylethenes for molecular photonics
 AUTHOR(S): Irie, Masahiro
 CORPORATE SOURCE: Institute Advanced Material Study, Kyushu University, Kasuga, 816, Japan
 SOURCE: Supramolecular Science (1996), 3(1-3), 87-89
 CODEN: SUSCFX; ISSN: 0968-5677
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB 1,2-Diarylethenes with heterocyclic aryl groups, such as benzothiophene rings, underwent thermally irreversible and fatigue resistant photochromic reactions. The photocyclization response time of a dithienylethane was measured to be 1 ps. Gated photochromic reactivity was given to a 1,2-bis(benzothiophene-3-yl)perfluorocyclopentene by introducing intramol. hydrogen-bond forming groups.
 IT 184295-18-9
 RL: PEP (Physical, engineering or chemical process); PROC (Process)
 (photochromic diarylethenes for mol. photonics)
 RN 184295-18-9 CAPLUS
 CN Cyclopenta[a]furo[3,4-c]carbazole-1,3-dione, 6,6a,6b,7-tetrahydro-4,5,6a,6b,7-pentamethyl- (9CI) (CA INDEX NAME)

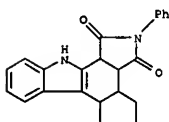


L6 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 1996:197529 CAPLUS
 DOCUMENT NUMBER: 124:343044
 TITLE: In situ vinylindole synthesis. Diels-Alder reactions with maleic anhydride and maleic acid to give tetrahydrocarbazoles and carbazoles
 AUTHOR(S): Noland, Wayland E.; Xia, Guang-Ming; Gee, Kyle R.; Konkell, Michael J.; Wahlstrom, Mary J.; Condoluci, John J.; Rieger, Dale L.
 CORPORATE SOURCE: Dep. Chemistry, Univ. Minnesota, Minneapolis, MN, 55455, USA
 SOURCE: Tetrahedron (1996), 52(13), 4555-572
 CODEN: TETRA; ISSN: 0040-4020
 PUBLISHER: Elsevier
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Tetrahydrocarbazoles have been prepared in one-flask syntheses from indoles, ketones, and maleic anhydride, with acid catalysis. The reactions involve a condensation of the indole with the ketone or aldehyde, followed by an in situ trapping of the vinylindole in a Diels-Alder reaction with maleic anhydride. Depending on which indole is used, this may or may not be followed by a double bond isomerization. If the double bond isomerization does not occur, the adduct may or may not be acylated at the nitrogen by maleic anhydride. 1,2,3,4-Tetrahydrocarbazole-1,2-dicarboxylic anhydrides have been hydrolyzed to the 1,2-dicarboxylic acids in good yields. The corresponding 1,2-dicarboxylic acids have been regioselectively decarboxylated at the 1-position in excellent yields. New results with the use of maleic acid as the dienophile in this reaction are also discussed.
 IT 176695-40-2P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of)
 RN 176695-40-2 CAPLUS
 CN Cyclopenta[c]furo[3,4-a]carbazole-1,3-dione, 3a,3b,4,5,6,6a,11,11b-octahydro-11-methyl-, (3aa,3ba,6aa,11ba)- (9CI) (CA INDEX NAME)

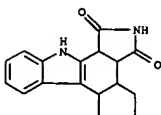
Relative stereochemistry.



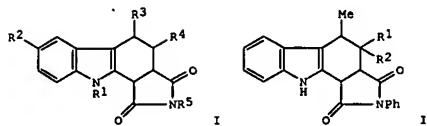
L6 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN (Continued)



RN 154634-50-1 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione, 3a,3b,4,5,6,6a,11,11b-octahydro-, (3aa,3ba,6aa,11b.alpha.)- (9CI) (CA INDEX NAME)

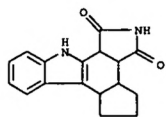


L6 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 1994:270168 CAPLUS
 DOCUMENT NUMBER: 120:270168
 TITLE: In situ vinylindole synthesis. Diels-Alder reactions with maleimides to give tetrahydrocarbazoles
 AUTHOR(S): Noland, Wayland E.; Wahlstrom, Mary J.; Konkell, Michael J.; Brigham, Mark E.; Trowbridge, Annette G.; Konkell, Lisa M. C.; Gourneau, Ronald P.; Scholten, Cheryl A.; Lee, Nina H.; et al.
 CORPORATE SOURCE: Dep. Chem., Univ. Minnesota, Minneapolis, MN, 55455, USA
 SOURCE: Journal of Heterocyclic Chemistry (1993), 30(1), 81-91
 CODEN: JHTCAD; ISSN: 0022-152X
 DOCUMENT TYPE: Journal
 LANGUAGE: English
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AB Tetrahydrocarbazoles I [R1 = H, Me, Ph, R2 = H, MeO, Br, R3 = Ph, Me, H, R4 = H, Ph, alkyl, R3R4 = (CH2)n n = 2-6, 9] and II (R1 = H, Me, R2 = n-alkyl, isoalkyl) have been prepared in a one-flask synthesis from indoles, ketones or aldehydes, and maleimides, with acid catalysis. The reactions involve condensation of the indole with the ketone or aldehyde, followed by an in situ trapping of the vinylindole in a Diels-Alder addition with a maleimide. Variation of the indole, carbonyl compound, and maleimide has been explored. The predominant stereochem. of the tetrahydro ring in the products is all-cis, although a second stereoisomer has been isolated. Two regioisomers were generated from all unsym. 2-alkanones, except 2-butanone, which gave the single isomer. Aromatization of tetrahydrocarbazoles to carbazoles was accomplished with DDQ.
 IT 154565-36-3P 154634-50-1P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation and aromatization by DDQ)
 RN 154565-36-3 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione, 3a,3b,4,5,6,6a,11,11b-octahydro-2-phenyl-, (3aa,3ba,6aa,11ba)- (9CI) (CA INDEX NAME)

L6 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2006 ACS ON STN
 ACCESSION NUMBER: 1992:604650 CAPLUS
 DOCUMENT NUMBER: 117:204650
 TITLE: Identification of novel antimitotic agents acting at the tubulin level by computer-assisted evaluation of differential cytotoxicity data
 AUTHOR(S): Paull, Kenneth D.; Lin, Chii M.; Malspeis, Louis; Hamel, Ernest
 CORPORATE SOURCE: Inf. Technol. Branch, Natl. Cancer Inst., Bethesda, MD, 20892, USA
 SOURCE: Cancer Research (1992), 52(14), 3892-900
 CODEN: CNREAB; ISSN: 0008-5472
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Data generated in the new National Cancer Institute drug evaluation program, which are based on inhibition of cell growth in 60 human tumor cells lines, were probed with nine known antimitotic agents using the COMPARE algorithm. Cytotoxicity data were available on approx. 7000 compds. at the time of anal., and, based on the criteria used, 82 compds. were selected as pos. by the computer search. Nine were the probe compds. themselves, and 41 were analogs of known antimitotic agents. Among the remaining 32 compds. there were 19 distinct chemical species. Agents in ten of these groups (containing 20 compds.) were effective inhibitors of in vitro tubulin polymerization and caused the mitotic arrest of cells grown in culture. Two compds. were related natural products binding in the Vinca domain of tubulin, and the others were synthetic agents which interfered with colchicine binding. The remaining 12 agents (one natural product, the remainder synthetic) fell into several groups: two compds. were weak inhibitors of tubulin polymerization, inhibited colchicine binding, and caused mitotic arrest; one compound weakly inhibited tubulin polymerization but did not cause an increase in the number of cells arrested in mitosis; two compds. caused mitotic arrest at micromolar concns., but thus far no in vitro interaction with tubulin has been observed; the remainder neither inhibited tubulin polymerization nor caused a rise in the number of cultured cells arrested in mitosis. Tubulin-dependent GTP hydrolysis was stimulated or inhibited by all agents which inhibited tubulin polymerization with the exception of one compound. The anal. of differential cytotoxicity data thus appears to have great promise for the identification of new antimitotic agents with antineoplastic potential.
 IT 144078-21-7
 RL: BIOL (Biological study) (antimitotic activity of, tubulin binding role in, from computer-assisted evaluation of differential cytotoxicity data, with COMPARE algorithm)
 RN 144078-21-7 CAPLUS
 CN 1H-Cyclopenta[c]pyrrolo[3,4-a]carbazole-1,3(2H)-dione, 3a,3b,4,5,6,6a,11,11b-octahydro- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

92.44

316.09

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-13.50

-13.50

STN INTERNATIONAL LOGOFF AT 09:54:32 ON 21 AUG 2006